

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 27, 2004, 14:32:42 ; Search time 78.8066 Seconds
(without alignments)
6725.050 Million cell updates/sec

Title: US-09-052-855A-12
Perfect score: 955
Sequence: 1 GATGTTTATTCGAAGCTACA.....CTCGTAAAMAAWAAWMA 955

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA: *
1: /cgn2_6/prodata/2/ina/5A COMB.seq: *
2: /cgn2_6/prodata/2/ina/5B COMB.seq: *
3: /cgn2_6/prodata/2/ina/6A COMB.seq: *
4: /cgn2_6/prodata/2/ina/6B COMB.seq: *
5: /cgn2_6/prodata/2/ina/PCTUS COMB.seq: *
6: /cgn2_6/prodata/2/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	934	97.8	1067	3	US-09-045-193-1
2	515.6	54.0	548	1	Sequence 1, Appli
3	515.6	54.0	548	1	Sequence 6, Appli
4	515.6	54.0	548	5	Sequence 6, Appli
5	216.4	22.7	2475	4	PCT-US95-07289-6
6	102.4	10.7	705	4	US-09-220-132-179
7	100	10.5	464	4	US-09-167-513-8
8	84.2	8.8	876	4	US-09-621-976-13369
9	84.2	8.8	913	4	US-09-167-513-1
10	84.2	8.8	948	4	US-09-702-114A-1
11	84.2	8.8	948	4	US-09-247-155-50
12	84.2	8.8	957	4	US-09-599-360B-13
13	46.6	4.9	7218	1	US-09-866-028-90
14	38.6	4.0	2353	4	US-08-232-463-14
15	38.6	4.0	2731	4	US-09-620-312D-194
16	38	4.0	6803	3	US-08-786-240-25
17	38	4.0	6803	3	US-08-665-259-19
18	37.8	4.0	1167	4	US-08-762-500-19
19	37.8	4.0	1167	4	US-09-755-630B-270
20	37.8	4.0	1167	4	US-09-755-630B-274
21	37.8	4.0	1167	4	US-09-755-274-32
22	37	3.9	5386	4	US-09-755-274-34
23	37	3.9	5386	4	US-09-535-008-60
24	37	3.9	5468	4	US-09-535-008-66
25	37	3.9	5471	4	US-09-535-008-1
26	37	3.9	5471	4	US-09-535-008-62
27	37	3.9	5477	4	US-09-535-008-74
					Sequence 74, Appl
					Sequence 70, Appl

28 37 3.9 5564 4 US-09-535-008-68
29 37 3.9 5567 4 US-09-535-008-64
30 37 3.9 5573 4 US-09-535-008-76
31 37 3.9 5576 4 US-09-535-008-72
32 36 3.8 2186 4 US-09-184-001-1
33 35.8 3.7 3394 4 US-09-851-985-1
34 35.8 3.7 3475 1 US-07-960-389-1
35 35.4 3.7 6972 4 US-09-595-684B-38
36 35.2 3.7 832 4 US-09-621-976-2813
37 35 3.7 505 4 US-09-621-976-15639
38 34.2 3.6 2363 1 US-07-923-724-7
39 34.2 3.6 2363 2 US-08-509-426A-7
40 34.2 3.6 2379 2 US-08-374-652C-1
41 33.8 3.5 1269 4 US-09-252-991A-6191
42 33.8 3.5 1486 4 US-09-149-476-23
43 33.8 3.5 1983 4 US-09-252-991A-6271
44 33.8 3.5 2217 4 US-09-252-991A-6359
45 33.8 3.5 3240 1 US-08-294-189-2

ALIGNMENTS

RESULT 1
US-09-045-193-1
; Sequence 1, Application US/09045193
; Patent No. 6245550
; GENERAL INFORMATION:
; APPLICANT: HENSLEY, PRESTON
; APPLICANT: ROSE, GEORGE
; APPLICANT: AURORA, RAJEV
; APPLICANT: ABDEL-MEGUID, SHERIN
; APPLICANT: YOUNG, PETER
; APPLICANT: ZHU, YUAN
; APPLICANT: MOONEY, JEFFREY
; APPLICANT: BRGSM, DEREK
; APPLICANT: GUERRERA, STEPHANIE
; APPLICANT: ELLIS, CATHERINE
; TITLE OF INVENTION: The Cytokine Family Member
; TITLE OF INVENTION: EF-7
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ratner & Prestia
; STREET: P.O. Box 980
; CITY: Valley Forge
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/045,193
; FILING DATE: 20-MAR-1998
; CLASSIFICATION:
; PRIOR APPLICATION NUMBER:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Prestia, Paul F
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: GP-70421
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0701
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1067 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single

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; TOPOLOGY: linear
; MOLECULE TYPE: cdna
US-09-045-193-1

Query Match      97.8%; Score 934; DB 3; Length 1067;
Best Local Similarity 98.9%; Pred. No. 2.8e-277;
Matches 947; Conservative 4; Mismatches 4; Indels 3; Gaps 1;

QY 1 GATGTTTATCGAAGCTACATGAGCTTCAGATGTAAGAAACCATCCGCTCGCACGCTGGCT 60
Db 104 GATGTTTATCGAAGCTACATGAGCTTCAGATGTAAGAAACCATCCGCTCGCACGCTGGCT 163
QY 61 G---GCCTGCCCCACCAAGAGATCCAGGTTAAAGATACAGTGGGCTCATCAAGCC 117
Db 164 GGAGCCTCGCCACCACAGAGATCCAGGTTAAAGATACAGTGGGCTCATCAAGCC 223
QY 118 CTGCCCAGCAACTACTTTTCGCTTTAAATCTGCAGTGGGGCGCCCAAGCTCGTGGCCCC 177
Db 224 CTGCCCAGCAACTACTTTTCGCTTTAAATCTGCAGTGGGGCGCCCAAGCTCGTGGCCCC 283
QY 178 TACTATGTGCTTTGAAGACCGCATGATCATGATCTCTGTGAAAAACAATGTGGGCAGAGG 237
Db 284 TACTATGTGCTTTGAAGACCGCATGATCATGATCTCTGTGAAAAACAATGTGGGCAGAGG 343
QY 238 CCTAAACATCGCCTCGTGTGAATGGAACCAACGAGGAGCTGTGCTGGGACAGAGCATTTGA 297
Db 344 CCTAAACATCGCCTCGTGTGAATGGAACCAACGAGGAGCTGTGCTGGGACAGAGCATTTGA 403
QY 298 CATGTACTCTGGAGATGTTATGACACCTAGTGAATTCCTTTAAAGAAATTCGCGGGGGTGC 357
Db 404 CATGTACTCTGGAGATGTTATGACACCTAGTGAATTCCTTTAAAGAAATTCGCGGGGGTGC 463
QY 358 ACTGGTGTGCTGGTGGCTCTCTACAGCATCAGGAGCAAAATGAACGATGAAGCAGGAA 417
Db 464 ACTGGTGTGCTGGTGGCTCTCTACAGCATCAGGAGCAAAATGAACGATGAAGCAGGAA 523
QY 418 ACTCTTCTCTGACTTGGGGAGTTCTACGCAAAACAACCTGGGCTTCGCGACAGCTGGGT 477
Db 524 ACTCTTCTCTGACTTGGGGAGTTCTACGCAAAACAACCTGGGCTTCGCGACAGCTGGGT 583
QY 478 CTTTCATAGGAGCAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTTCCTTAAAGAACAG 537
Db 584 CTTTCATAGGAGCAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTTCCTTAAAGAACAG 643
QY 538 CCCAGACACAAACAAATACAGGGATGCGCAGAGCTCTGAGATGAGGGCTGCATGCC 597
Db 644 CCCAGACACAAACAAATACAGGGATGCGCAGAGCTCTGAGATGAGGGCTGCATGCC 703
QY 598 CCCGAAGCCATTTTAGGGTGGCTGTGCTCTCTCAGCCAGGGGCTGGAAGAGCTCCT 657
Db 704 CCCGAAGCCATTTTAGGGTGGCTGTGCTCTCTCAGCCAGGGGCTGGAAGAGCTCCT 763
QY 658 GCCTGACTTAGGAGTCAGAGCCCGCAGGGCTGAGGAGAGGAGCAGGGGGTGTGCGT 717
Db 764 GCCTGACTTAGGAGTCAGAGCCCGCAGGGCTGAGGAGAGGAGCAGGGGGTGTGCGT 823
QY 718 GGAAGTGTCTGAGGTCTTTCACGCTGTCTCGGCTCTCTCTCGGAAACAGAACCC 777
Db 824 GGAAGTGTCTGAGGTCTTTCACGCTGTCTCGGCTCTCTCTCGGAAACAGAACCC 883
QY 778 TCCACACAGCACATCTACTCCCGAAGACACAGCCTCAGAGGGTCTCTCTCGAACACAGTGTG 837
Db 884 TCCACACAGCACATCTACTCCCGAAGACACAGCCTCAGAGGGTCTCTCTCGAACACAGTGTG 943
QY 838 TGTGGAGAGATGGGGTCTTTCTGTCAGGAGCTGCTGACGGCTGGTCTCTGAGGAAGACA 897
Db 944 TGTGGAGAGATGGGGTCTTTCTGTCAGGAGCTGCTGACGGCTGGTCTCTGAGGAAGACA 1003
QY 898 AACTGCCACACTTGAGCCCAATTAATTTATTTTCTGTTTAAAGAAACAAAGAGCTCAGGGGT 955
Db 1004 AACTGCCACACTTGAGCCCAATTAATTTATTTTCTGTTTAAAGAAACAAAGAGCTCAGGGGT 1061
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RESULT 2

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US-08-469-667-6
; Sequence 6, Application US/08469667
; Patent No. 5733748
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Rosen, Craig
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,667
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-435
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 548 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..405
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 1..405
;
US-08-469-667-6
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Query Match      54.0%; Score 515.6; DB 1; Length 548;
Best Local Similarity 98.2%; Pred. No. 1e-148;
Matches 540; Conservative 1; Mismatches 7; Indels 2; Gaps 2;

QY 206 ATGAGTCTGTGAAAAACAATGTGGCAGAGGCTAAACATCGCCCTGGTGAATGGAACC 265
Db 1 ATGAGTCTGTGAAAAACAATGTGGCAGAGGCTAAACATCGCCCTGGTGAATGGAACC 60
QY 266 ACCEGAGCTGTGCTGGACAGAAAGCATTTGACATGACTCTCTGAGATGTTATGCACCTA 325
Db 61 ACCEGAGCTGTGCTGGACAGAAAGCATTTGACATGACTCTCTGAGATGTTATGCACCTA 120
QY 326 GTGAAATTCCTTAAAGAAATTCGGGGGGTGCATGCTGTGTGGCTCTCTACGAGCAT 385
Db 121 GTGAAATTCCTTAAAGAAATTCGGGGGGTGCATGCTGTGTGGCTCTCTACGAGCAT 180
QY 386 CAGGAGCAAAATGACGATGAACAGAGAACTCTTCTGACTTTGGGGAGTTCTCTAC 445
Db 181 CAGGAGCAAAATGACGATGAACAGAGAACTCTTCTGACTTTGGGGAGTTCTCTAC 240
QY 446 GCAAAACAACCTGGCTTCCGGGACAGCTGGGTCTTTCATAGAGCCAAAGAGCTCAGGGGT 505
Db 241 GCAAAACAACCTGGCTTCCGGGACAGCTGGGTCTTTCATAGAGCCAAAGAGCTCAGGGGT 300
QY 506 AAAAGCCCCCTTTGAGCAGTTCCTTAAAGAACAGCCCGACACACAAACAAATACGAGGATGG 565
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; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 548 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..405
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 1..405
;
PCT-US95-07289-6

Query Match 54.0%; Score 515.6; DB 5; Length 548;
Best Local Similarity 98.2%; Pred. No. 1e-148;
Matches 540; Conservative 1; Mismatches 7; Indels 2; Gaps 2;

QY 206 ATGAGTCCTGTGAAACAAATGTGGCAGAGGCTTAAACATCGCCCTGTGTAATGGAACC 265
Db 1 ATGAGTCCTGTGAAACAAATGTGGCAGAGGCTTAAACATCGCCCTGTGTAATGGAACC 60

QY 266 ACGGAGCTGTGCTGGCAGAGAGGCAATTTGACATCTACTCTGAGATGTTATGCACCTA 325
Db 61 ACGGAGCTGTGCTGGGACAGAAAGGCAATTTGACATCTACTCTGAGATGTTATGCACCTA 120

QY 326 GTGAATTCCTTAAAGAAATTCGGGGGGTGCACTGTGTGTGGTGGCCCTCTACGACGAT 385
Db 121 GTGAATTCCTTAAAGAAATTCGGGGGGTGCACTGTGTGTGGTGGCCCTCTACGACGAT 180

QY 386 CCAGGGACCAAAATGAACGATGAAGAGAGAACTCTTCTGACTTGGGGAGTTCTCTAC 445
Db 181 CCAGGGACCAAAATGAACGATGAAGAGAGAACTCTTCTGACTTGGGGAGTTCTCTAC 240

QY 446 GCAGAAACAATGGCTTCCGGGACAGCTGGTCTTCATAGGAGCCAAAGACCTCAGGGGT 505
Db 241 GCAGAAACAATGGCTTCCGGGACAGCTGGTCTTCATAGGAGCCAAAGACCTCAGGGGT 300

QY 506 AAAAGCCCTTTGAGCAGTTCTTAAAGAACAGCCCGACAGACAAACAAATACGAGGATGG 565
Db 301 AAAAGCCCTTTGAGCAGTTCTTAAAGAACAGCCCGACAGACAAACAAATACGAGGATGG 360

QY 566 CCAGAGCTGTGAGATGAGAGGCTGCATGCCGCCGAGCCATTTAGGTGCTGTGGC 625
Db 361 CCAGAGCTGTGAGATGAGAGGCTGCATGCCGCCGAGCCATTTAGGTGCTGTGGC 420

QY 626 TCTTCTCTCAGCCAGGGGCTTGAAGAGCTCCTGCCCTGACTTAGGAGTCAGAGCCCGGAG 685
Db 421 TCTTCTCTCAGCCAGGGGCTTGAAGAGCTCCTGCCCTGACTTAGGAGTCANAGCCCGGCA - 479

QY 686 GGGCTGAGGAGGAGGAGCAGGGGGTGTGCTGGTGAAGGTCGTGAGTCTTCACGCTG 745
Db 480 GGGCTGAGGAGGAGGAGCAGGGGGTGTGCTGGTGAAGGTCGTGAGTCTTCACGCTG 538

QY 746 TGTGCGGCT 755
Db 539 TGTGCGGCT 548

RESULT 5
US-09-220-132-179
; Sequence 179, Application US/09220132
; Patent No. 6506607
; GENERAL INFORMATION:
; APPLICANT: Shvjan, Andrew W.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE IDENTIFICATION AND ASSESSMENT
; OF PROSTATE CANCER THERAPIES AND THE DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 07334-074001
; CURRENT APPLICATION NUMBER: US/09/220,132
; CURRENT FILING DATE: 1998-12-23
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; PRIOR APPLICATION NUMBER: US 60/079,303
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: US 60/068,821
; PRIOR FILING DATE: 1997-12-24
; NUMBER OF SEQ ID NOS: 191
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 179
; LENGTH: 2475
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-220-132-179

Query Match 22.7%; Score 216.4; DB 4; Length 2475;
Best Local Similarity 63.0%; Pred. No. 2.8e-56;
Matches 334; Conservative 0; Mismatches 196; Indels 0; Gaps 0;

QY 95 TCAAGTGTGGCTCATCAAGCCCTGCCAGCCAACTACTTTGCGGTTTAAATCTCAGT 154
Db 333 TATAAGTGTGGGATCTCAAAAGCTTGCCCTGGAAGCATTTTCTTTTAAATGGCAAGT 392

QY 155 GGGGCGCCCAACGTCGTGGGCCCTACTATGTCTTTGAAGACCGCATGATCATGCTCT 214
Db 393 GGAGCAGCAACGTCGTGGGACCCAAATCTGCTGGAAGATAATGTTTAAATGAGTGGT 452

QY 215 GTGAAAAACAATGTGGGCAGAGGCCCTTAAACATCGCCCTGTGTAATGGAACACCGGAGCT 274
Db 453 GTTAAGAATAATGTTGGAAGAGGGATCAATGTTGCCCTTGGCAAATGAAAAACAGAGAA 512

QY 275 GTGCTGGGACAGAGGCATTTGACATGTACTCTGGAGATGTTATGACCTAGTGAATTC 334
Db 513 GTATTAGACACTAAATATTTTGACATGTGGGAGGAGATGTGGCACCATTTATTTAGTGT 572

QY 335 CTTAAGAAATTCGCGGGGTGCACGTGTGTGGTGGTCTCTTACGACCATCCAGGAGCC 394
Db 573 CTGAAGCCATACAGATGGAACAATAGTTTAAATGGGAACATACCATGATGATGAGCAACC 632

QY 395 AAAATCAAGATGAAAGCAGGAAACTCTTCTCTGACTTGGGGAGTTCTTACGCAAAACAA 454
Db 633 AAATCAATGATGAGCAGCCAGCGGGCTCATTTGCTGATTTGGGAGACATCTATTACTAAT 692

QY 455 CTGGGCTTCGGGACAGCTGGGTCTTCATAGGAGCCAAAGACCTCAGGGGTAAAGCCCC 514
Db 693 CTTGGTTTTAGACACAACCTGGGTCTTCTGTGTGGGAAGGGCATTAAAGACAAAAAGCCCT 752

QY 515 TTTGACAGTCTTAAAGAACAGCCAGACACAAACAAATACGAGGATGCGGCAGAGCTG 574
Db 753 TTTGAAACAGACAAATGAAGAACATAAGGATACAAACAATATGAGAGATGGCCTGAGTT 812

QY 575 CTGAGATGAGGGCTGCATGCCCGGAAAGCCATTTTAGGGTGGCTGTGG 624
Db 813 GTAGAAATGGAAGGATGCATCCCCCAGAGCAAGACTAATGGAATGTGG 862

RESULT 6
US-09-167-513-8
; Sequence 8, Application US/09167513
; Patent No. 6388064
; GENERAL INFORMATION:
; APPLICANT: Conklin, Darrell C.
; APPLICANT: Blumberg, Hal
; TITLE OF INVENTION: A HUMAN 2-19 PROTEIN HOMOLOGUE, Z219A
; FILE REFERENCE: 97-63
; CURRENT APPLICATION NUMBER: US/09/167,513
; CURRENT FILING DATE: 1998-10-06
; EARLIER APPLICATION NUMBER: US 60/061,712
; EARLIER FILING DATE: 1997-10-06
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 705
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
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US-09-702-114A-1
; Sequence 1, Application US/09702114A
; Patent No. 6586078
; GENERAL INFORMATION:
; APPLICANT: Arthur B. Raitano
; APPLICANT: Aya Jakobovits
; APPLICANT: Mary Faris
; APPLICANT: Daniel E.H. Afar
; APPLICANT: Rene S. Hubert
; APPLICANT: Steve Chappel
; TITLE OF INVENTION: 3696D5: SECRETED TUMOR ANTIGEN
; FILE REFERENCE: 129.22-US-01
; CURRENT APPLICATION NUMBER: US/09/702,114A
; CURRENT FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: 60/162,417
; PRIOR FILING DATE: 1999-10-28
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 913
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-09-702-114A-1

Query Match      8.8%; Score 84.2; DB 4; Length 913;
Best Local Similarity 50.5%; Pred. No. 7.5e-16;
Matches 262; Conservative 0; Mismatches 248; Indels 9; Gaps 2;

QY 89 AAAAACTACAAGTGTGGCTCTCATCAAGCCCTGCCAGCCCAACTACTTGGTTTAAATC 148
   |||||
Db 233 AAAAAAGCAAAATGTGACCACTGGACTCCCTGCCCATCTGACACCTATGCTACAGGTGA 232

QY 149 TGCAGTGGGGCCGCCAACAGTGTGGGGCCCTACTATGTCTTTGAAGACCGCATGATC 208
   |||||
Db 293 CTCAGCGGAGGTGGCGAAGCAAGTACGCAAAATCTGCTTTGAGGATAACCTACTTATG 352

QY 209 AGTCCTGTGAAAAACAATGTGGCGAGGCTAAACATCGCCCTGGTGAATGAAACACG 268
   |||||
Db 353 GGAGAACAGCTGGGAATGTGGCAGAGGAATTAACATTCGCAATGTCACTATGTAAC 412

QY 269 GGAGCTGTGCTGGGACAGAAAGCATTTGACATGTACTCTGGAGATGTTATGACCTAGTG 328
   |||||
Db 413 GCGAATGTGACGCAACACGATGTTTGTATGTATGATGAAGCGGATAACTCTGGACCGATG 472

QY 329 AATTCCTTAAACAAATTCGGGGGTGCA--CTGCTGTGTGGCTCTTACGACGAT 385
   |||||
Db 473 ACAAGTTTATTCAGAGTGTCTGCCAAATCCCTGCTCTTCATGTGACCTATGACGAC 532

QY 386 CCAGGACCAAAATGAACGATGAAGCAGGAAACTCTTCTGACTTGGGGAGTTCCTAC 445
   |||||
Db 533 GGAGCACAGACTGAATAACGATGCCAGAAATGCCATAGAAGCACTTGGAAATGAAGAA 592

QY 446 GCAAAACAACCTGGGCTTCCGGGACAGTGGGTCTTCATAGAGCCAAA-----GACCTC 499
   |||||
Db 593 ATCAGGAACATGAAATTCAGGTCTAGCTGGGTATTTATTGACGAAAGGCTTTGGAATC 652

QY 500 AGGGTAAAGCCCTTTCAGCAGTCTTAAAGACAGCCCGACACACAAACAATACGAG 559
   |||||
Db 653 CTTCCGAATTCAGAGAGAAAGATCAACCACTCTGTGATGCTAAGAACACAGATATCT 712

QY 560 GGATGCCAGAGCTGCTGGAGATGGAGGGCTGCATGCC 598
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Db 713 GGCTGGCTGCAGAGATCCAGATAGAAGGCTGCATACCC 751
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RESULT 10
US-09-247-155-50
; Sequence 50, Application US/09247155A
; Patent No. 6312922
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, Jean-Baptiste
; APPLICANT: Duclert, Aymeric
; APPLICANT: Bougueret, Lydie
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; TITLE OF INVENTION: Complementary DNAs
; FILE REFERENCE: GENSET.021A
; CURRENT APPLICATION NUMBER: US/09/247,155A
; CURRENT FILING DATE: 1999-02-09
; EARLIER APPLICATION NUMBER: 60/074,121
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/081,563
; EARLIER FILING DATE: 1998-04-13
; EARLIER APPLICATION NUMBER: 60/096,116
; EARLIER FILING DATE: 1998-08-10
; EARLIER APPLICATION NUMBER: 60/099,273
; EARLIER FILING DATE: 1998-10-04
; NUMBER OF SEQ ID NOS: 182
; SOFTWARE: Patent.pm
; SEQ ID NO 50
; LENGTH: 948
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 80..784
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: 80..139
; OTHER INFORMATION: Von Heijne matrix
; OTHER INFORMATION: score 4
; OTHER INFORMATION: seq LLKVVVFVFLSLC/AW
; FEATURE:
; NAME/KEY: polyA signal
; LOCATION: 910..915
; FEATURE:
; NAME/KEY: polyA site
; LOCATION: 933..948
US-09-247-155-50

Query Match      8.8%; Score 84.2; DB 4; Length 948;
Best Local Similarity 50.5%; Pred. No. 7.7e-16;
Matches 262; Conservative 0; Mismatches 248; Indels 9; Gaps 2;

QY 89 AAAAACTACAAGTGTGGCTCTCATCAAGCCCTGCCAGCCCAACTACTTGGTTTAAATC 148
   |||||
Db 254 AAAAAAGCAAAATGTGACCACTGGACTCCCTGCCCATCTGACACCTATGCTACAGGTGA 313

QY 149 TGCAGTGGGGCCGCCAACAGTGTGGGGCCCTACTATGTCTTTGAAGACCGCATGATC 208
   |||||
Db 314 CTCAGCGGAGGTGGCAGACCAAGTACGCCAAATCTGCTTTGAGGATAACCTACTTATG 373

QY 209 AGTCCTGTGAAAAACAATGTGGCGAGGCTTAAACATCGCCCTGGTGAATGAAACACG 268
   |||||
Db 374 GGAGAACAGCTGGGAATGTGGCAGAGGAATAAACATTTGCCATTTGTAAC 433

QY 269 GGAGCTGTGCTGGGACAGAGGCAATTTGACATGTACTCTGGAGATGTTATGACCTAGTG 328
   |||||
Db 434 GGAATGTGACACCAACACGATGTTTGTATGTATGAAGGCGATAACTCTGGACCGATG 493

QY 329 AATTCCTTAAAGAAATTCGGGGGTGCA--CTGCTGTGTGGCTCTCTACGACGAT 385
   |||||
Db 494 ACAAGTTTATTCAGAGTGTCTGCCAAATCCCTGCTCTTCATGTGACCTATGACGAC 553

QY 386 CCAGGACCAAAATGAACGATGAAGAGGAAACTCTTCTCTGACTTGGGGAGTTCCTAC 445
   |||||
Db 554 GGAAGCACAAAGACTGAATAACGATGCCAAGATGCCATAGAAGCACTTGGAGTAAGAA 613

QY 446 GCAAAACAACCTGGGCTTCCGGGACAGTGGGTCTTCATAGAGCCAAA-----GACCTC 499
   |||||
Db 614 ATCAGGAACATGAAATTCAGGTCTAGCTGGGTATTTATTGACGAAAGGCTTGGAACTC 673

QY 500 AGGGTAAAGCCCTTTTGAGCAGTCTTTAAAGACAGCCCGACACACAAATACGAG 559
   |||||
Db 674 CTTCCGAATTCAGAGAGAAAGATCAACCACTCTGTGATGCTAAGAACACAGATATCT 733

QY 560 GGATGCCAGAGCTGCTGGAGATGGAGGGCTGCATGCC 598
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Db 734 GGCTGGCCTGCAGAGATCCAGATAGAGAGGCTGCATACCC 772

RESULT 11

US-09-599-360B-13

; Sequence 13, Application US/09599360B

; Patent No. 6548633

; GENERAL INFORMATION:

; APPLICANT: Dumas Milne Edwards, J.B.

; APPLICANT: Bougueleret, L.

; APPLICANT: Jobert, S.

; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides

; FILE REFERENCE: GENSET.050CP3

; CURRENT APPLICATION NUMBER: US/09/599,360B

; CURRENT FILING DATE: 2000-06-21

; PRIOR APPLICATION NUMBER: 60/113,686

; PRIOR FILING DATE: 1998-12-22

; PRIOR APPLICATION NUMBER: 60/141,032

; PRIOR FILING DATE: 1999-06-25

; PRIOR APPLICATION NUMBER: 09/469,099

; PRIOR FILING DATE: 1999-12-21

; NUMBER OF SEQ ID NOS: 123

; SOFTWARE: Patent.pm

; SEQ ID NO 13

; LENGTH: 948

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 80..784

; NAME/KEY: sig_peptide

; LOCATION: 80..139

; OTHER INFORMATION: Von Heijne matrix

; OTHER INFORMATION: score 4

; OTHER INFORMATION: seq LLKVFVFPASLC/AW

; NAME/KEY: polyA_signal

; LOCATION: 910..915

; NAME/KEY: polyA_site

; LOCATION: 933..948

US-09-599-360B-13

Query Match 8.8%; Score 84.2; DB 4; Length 948;

Best Local Similarity 50.5%; Pred. No. 7.7e-16;

Matches 262; Conservative 0; Mismatches 248; Indels 9; Gaps 2;

QY 89 AAAAAAGTCAAGTGGGCTCATCAAGCCCTGCCAGCCAACTCTTTCGTTTAAATC 148

Db 254 AAAAGGCAAAATGTGACCACTGGACTCCCTGCCCATCTGCACACCTATGACAGTTA 313

QY 149 TGCAGTGGGGCGCCAAACGCTGCTGGGGCCCTACTATGTCTTTGAAGACCGCATGATCATG 208

Db 314 CTCAGCGGAGGTGGCAGAGCAAGTACGCCAAATCTGCTTTGAGATTAACCTATTATG 373

QY 209 AGTCCTGTGAAAAACAATGTGGGCGAGCCCTAAACATGCGCCTGGTGAATGGAAACCCAG 268

Db 374 GGAGAACAGCTGGGAAATGTTGCCAGAGGAAATAACATTTGCCATTGTCACTATGTAAT 433

QY 269 GGAGCTGTGGGACAGAGGCAATTTGACATGTACTCTGGAGATTTATGCACTATG 328

Db 434 GGGATGTGACAGCAACAGCATGTTTGTATGTATGAAGGCGATAACTCTGGACCGATG 493

QY 329 AAATTCCTTAAAGAAATTCGGGGGGTGA---CTGGTGTGGTGGCCCTCTTACGACGAT 385

Db 494 ACAAGATTTATTCAGATGCTGCTCCAAATCCCTGCTCTTCATGGTGACCTATGACGAC 553

QY 386 CCAGGACCAAAATGAACGATGAAGAGGAAATCTTCTCTGACTGGGGAGTTTCCTAC 445

Db 554 GGAAGCACAAGACTGAATAACGATGCCAAGAATGCCATAGAAGCACTTTGGAAGTAAAGAA 613

QY 446 GCAAAACAACTGGGCTTCGGGACAGCTGGGTCTTCATAGAGCCAAA-----GACCTC 499

Db 614 ATCAGGAACATGAATTCAGGTCTAGCTGGGTATTTATTTGACGCAAAAGGCTTGAACTC 673

QY 500 AGGGTAAAGCCCTTTGAGCAGTCTTTAAAGACAGCCGACACAAACAATACGAG 559

Db 674 CTTCCGAAATTCAGAGAGAAAGATCAACCACTCTCTGATGCTAAGAAACAAGATATCT 733

QY 560 GGATGCCAGAGCTGCTGGAGATGGAGGGCTGCGATGCC 598

Db 734 GGCTGGCCTGCAGAGATCCAGATAGAGAGGCTGCATACCC 772

RESULT 12

US-09-866-028-90

; Sequence 90, Application US/09866028

; Patent No. 6642360

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin

; APPLICANT: Botstein, David

; APPLICANT: Eaton, Dan

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gerriksen, Mary

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul

; APPLICANT: Grimaldi, Christopher

; APPLICANT: Gurney, Austin

; APPLICANT: Hillan, Kenneth

; APPLICANT: Kljavin, Ivar

; APPLICANT: Napier, Mary

; APPLICANT: Roy, Margaret

; APPLICANT: Tumas, Daniel

; APPLICANT: Wood, William

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P2548P1C1

; CURRENT APPLICATION NUMBER: US/09/866,028

; CURRENT FILING DATE: 2001-05-25

; Prior application data removed - consult PALM or file wrapper

; NUMBER OF SEQ ID NOS: 120

; SEQ ID NO 90

; LENGTH: 957

; TYPE: DNA

; ORGANISM: Homo Sapien

US-09-866-028-90

Query Match 8.8%; Score 84.2; DB 4; Length 957;

Best Local Similarity 50.5%; Pred. No. 7.7e-16;

Matches 262; Conservative 0; Mismatches 248; Indels 9; Gaps 2;

QY 89 AAAAAAGTCAAGTGGGCTCATCAAGCCCTGCCAGCCAACTCTTTCGTTTAAATC 148

Db 183 AAAAGGCAAAATGTGACCACTGGACTCCCTGCCCATCTGCACCTATGACAGTTA 242

QY 149 TGCAGTGGGGCGCCAAACGCTGCTGGGGCCCTACTATGTCTTTGAAGACCGCATGATCATG 208

Db 243 CTCAGCGGAGGTGGCAGAGCAAGTACGCCAAATCTGCTTTGAGATTAACCTATTATG 302

QY 209 AGTCCTGTGAAAAACAATGTGGGCGAGCCCTAAACATGCGCCTGGTGAATGGAAACCCAG 268

Db 303 GGAGAACAGCTGGGAAATGTTGCCAGAGGAAATAACATTTGCCATTGTCACTATGTAAT 362

QY 269 GGAGCTGTGGGACAGAGGCAATTTGACATGTACTCTGGAGATTTATGCACTATG 328

Db 363 GGGATGTGACAGCAACAGCATGTTTGTATGTATGAAGGCGATAACTCTGGACCGATG 422

QY 329 AAATTCCTTAAAGAAATTCGGGGGGTGA---CTGGTGTGGTGGCCCTCTTACGACGAT 385

Db 423 ACAAGATTTATTCAGATGCTGCTCCAAATCCCTGCTCTTCATGGTGACCTATGACGAC 482

QY 386 CCAGGACCAAAATGAACGATGAAGAGGAAATCTTCTCTGACTGGGGAGTTTCCTAC 445

Db 483 GGAAGCACAAGACTGAATAACGATGCCAAGAATGCCATAGAAGCACTTTGGAAGTAAAGAA 542

QY 446 GCAAAACAACTGGGCTTCGGGACAGCTGGGTCTTCTATAGAGCCAAA-----GACCTC 499

Db 543 ATCAGGAACATGAATTCAGTCTAGCTGGGTATTATTATTCAGCAAAAGGCTTGAACCTC 602
QY 500 AGGGGTAAAGCCCTTTTGGAGAGTTCTTTAAAGAACAGCCCAACAGACAAACAAATACGAG 559
Db 603 CTTCCGAAATTCAGAGAGAAAGATCAACCACTCTGATGTCTAAGAACAAACAGATATTCT 662
QY 560 GGATGCCAGAGCTGCTGAGATGAGGGCTGCATGCC 598
Db 663 GGCTGGCTGCAGATCCAGATAGAGGCTGCATACC 701

RESULT 13
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/995,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: pTZ9pt-Fls
US-08-232-463-14

Query Match 4.9%; Score 46.6; DB 1; Length 7218;
Best Local Similarity 6.0%; Pred. No. 0.00088;
Matches 25; Conservative 213; Mismatches 177; Indels 0; Gaps 0;
QY 200 ATGATCATGAGTCTGTGAAAAACAATGTGGGAGAGCCCTAAACATCGCCCTGGTGAAT 259
Db 1447 AAGAAATTGTTACFRRR 1388
QY 260 GGAACACAGGAGCTGTGCTGGGACAGAGCAATTCACATGTACTCTGAGATGTTATG 319
Db 1387 RRR 1328
QY 320 CACCTAGTGAATTCCTTAAAGAAATTCGGGGGGGTGCATGTGTGCTGGCTCCTAC 379

Db 1327 RRR 1268
QY 380 GAGCATCAGGAGCAAAATGAACATGAAGAGGAAACTCTTCTGCACTTGGGAGT 439
Db 1267 RRR 1208
QY 440 TCTAGCAAAACAACCTGGCTTCCGGGACAGCTGGTCTTCATAGGAGCAAGACCTC 499
Db 1207 RRR 1148
QY 500 AGGGGTAAAGCCCTTTTGGAGAGTTCTTTAAAGAACAGCCCAACAGACAAACAAATACGAG 559
Db 1147 RRR 1088
QY 560 GGATGCCAGAGCTGCTGAGATGAGGGCTGCATGCCCAAGCAATTTAGG 614
Db 1087 RRR 1033

RESULT 14
US-09-620-312D-194
; Sequence 194, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyang
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aigong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yunding
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 194
; LENGTH: 2353
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (153)..(2309)
US-09-620-312D-194

Query Match 4.0%; Score 38.6; DB 4; Length 2353;
Best Local Similarity 47.6%; Pred. No. 0.14;
Matches 147; Conservative 0; Mismatches 159; Indels 3; Gaps 1;
QY 189 TTGAAGACCCATGATCATGAGTCTGTGAAAAACAATGTGGGAGAGGCTTAAACATCG 248
Db 493 TGGATGCCACCACTGCTGAGGATGAGCCCGGAGAGGCGCGGGCATTCATGTCA 552
QY 249 CCCTGGTGAATGAACCAACCGGAGCTGTGCTGGGACAGAGGCAATTTGACATGTACT--- 305
Db 553 TTGTCTCAACACCGGCCACCGGCGACGTGATGGCAAAACGTGTGTTTGACACGTACTAC 612

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OM nucleic - nucleic search, using sw model

Run on: August 28, 2004, 05:14:55 ; Search time 482.161 Seconds
(without alignments)
9747.710 Million cell updates/sec

Title: US-09-052-855A-12
Perfect score: 955
Sequence: 1 GATGTTTATTGGAAGCTACA.....CTGGTAATAAATAAATAAAMMA 955

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 3237270 seqs, 2460713050 residues

Total number of hits satisfying chosen parameters: 6474540

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA:*

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19:	/cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	941	98.5	1221	17	US-10-764-100-1
2	934	97.8	1337	10	US-09-946-374-414
3	934	97.8	1337	12	US-10-015-395A-414
4	934	97.8	1337	13	US-10-147-493-459
5	934	97.8	1337	13	US-10-145-127-459
6	934	97.8	1337	13	US-10-160-503-459
7	934	97.8	1337	13	US-10-143-118-459
8	934	97.8	1337	13	US-10-144-993-459
9	934	97.8	1337	13	US-10-158-787-459
10	934	97.8	1337	13	US-10-140-024-459
11	934	97.8	1337	13	US-10-140-808-459
12	934	97.8	1337	13	US-10-006-485A-414
13	934	97.8	1337	13	US-10-013-907A-414
14	934	97.8	1337	13	US-10-015-499A-414

15	934	97.8	1337	13	US-10-152-405-459	Sequence 459, App
16	934	97.8	1337	13	US-10-127-852A-459	Sequence 459, App
17	934	97.8	1337	13	US-10-127-900A-459	Sequence 459, App
18	934	97.8	1337	13	US-10-128-685A-459	Sequence 459, App
19	934	97.8	1337	13	US-10-226-254A-414	Sequence 414, App
20	934	97.8	1337	13	US-10-131-820A-459	Sequence 459, App
21	934	97.8	1337	13	US-10-142-886-459	Sequence 459, App
22	934	97.8	1337	13	US-10-146-728-459	Sequence 459, App
23	934	97.8	1337	13	US-10-146-786-459	Sequence 459, App
24	934	97.8	1337	13	US-10-147-499-459	Sequence 459, App
25	934	97.8	1337	13	US-10-157-798-459	Sequence 459, App
26	934	97.8	1337	13	US-10-028-072-459	Sequence 459, App
27	934	97.8	1337	15	US-10-121-049-459	Sequence 459, App
28	934	97.8	1337	15	US-10-123-904-459	Sequence 459, App
29	934	97.8	1337	15	US-10-140-470-459	Sequence 459, App
30	934	97.8	1337	15	US-10-175-746-459	Sequence 459, App
31	934	97.8	1337	15	US-10-176-918-459	Sequence 459, App
32	934	97.8	1337	15	US-10-176-921-459	Sequence 459, App
33	934	97.8	1337	15	US-10-137-865-459	Sequence 459, App
34	934	97.8	1337	15	US-10-140-474-459	Sequence 459, App
35	934	97.8	1337	15	US-10-142-431-459	Sequence 459, App
36	934	97.8	1337	15	US-10-143-114-459	Sequence 459, App
37	934	97.8	1337	15	US-10-140-002-459	Sequence 414, App
38	934	97.8	1337	15	US-10-006-856A-414	Sequence 414, App
39	934	97.8	1337	15	US-10-142-419-459	Sequence 459, App
40	934	97.8	1337	15	US-10-123-262-459	Sequence 459, App
41	934	97.8	1337	15	US-10-142-423-459	Sequence 459, App
42	934	97.8	1337	15	US-10-006-818A-414	Sequence 414, App
43	934	97.8	1337	15	US-10-121-050-459	Sequence 459, App
44	934	97.8	1337	15	US-10-141-755-459	Sequence 459, App
45	934	97.8	1337	15	US-10-143-032-459	Sequence 459, App

ALIGNMENTS

RESULT 1
US-10-764-100-1
; Sequence 1, Application US/10764100
; Publication No. US20040137575A1
; GENERAL INFORMATION:
; APPLICANT: Conklin, Darrell C.
; APPLICANT: Blumberg, Hal
; APPLICANT: Delsher, Theresa A.
; TITLE OF INVENTION: A HUMAN 2-19 PROTEIN HOMOLOGUE, Z219C
; FILE REFERENCE: 97-64
; CURRENT APPLICATION NUMBER: US/10764,100
; PRIOR FILING DATE: 2004-01-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/186,342
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/066,157
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-11-19
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 1221
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (222)...(889)
US-10-764-100-1

Query Match 98.5%; Score 941; DB 17; Length 1221;
Best Local Similarity 100.0%; Pred. No. 1.2e-305;
Matches 941; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GAGTTTATTGGAAGCTACATGAGCTTCAGCATGAAACCATCGTCTGCCAGCTGGCT 60
Db 281 GATGTTTATTGGAAGCTACATGAGCTTCAGCATGAAACCATCGTCTGCCAGCTGGCT 340
Qy 61 GGCTCGCCCAACCAAGGAGATCCAGTTAAAGTACAGTGTGGCTCTCAAGCCCTG 120

Db 341 GGCCTCGCCACCAGAGATCCAGGTAAAGATACAGTGTGCTCATCAAGCCCTG 400
Qy 121 CCCGCCAACTACTTTGGCTTTAAATCTGAGTGGGCGGCCAACAGTCTGGGGCCCTAC 180
Db 401 CCCGCCAACTACTTTGGCTTTAAATCTGAGTGGGCGGCCAACAGTCTGGGGCCCTAC 460
Qy 181 TATGTCTTTGAGACCCGATGATCATGAGTCTGTGAAGAACATGTGGGAGGGCT 240
Db 461 TATGTCTTTGAGACCCGATGATCATGAGTCTGTGAAGAACATGTGGGAGGGCT 520
Qy 241 AAACATCGCCCTGGTGAATGGAACACAGGAGCTGTCTGGACAGAGGCAATTTGACAT 300
Db 521 AAACATCGCCCTGGTGAATGGAACACAGGAGCTGTCTGGACAGAGGCAATTTGACAT 580
Qy 301 GTACTCTGAGATGTATGCACTAGTGAATTCCTTAAAGAAATTCGGGGGGTGCAT 360
Db 581 GTACTCTGAGATGTATGCACTAGTGAATTCCTTAAAGAAATTCGGGGGGTGCAT 640
Qy 361 GGTGCTGTGGCTCTCTAGCAGATCCAGGACCAAAATGAACGATGAAGCAGGAAT 420
Db 641 GGTGCTGTGGCTCTCTAGCAGATCCAGGACCAAAATGAACGATGAAGCAGGAAT 700
Qy 421 CTTCTCTGACTTTGGGAGTTCTTACGCAAAACAACTGGGCTTCCGGGACAGCTGGTCTT 480
Db 701 CTTCTCTGACTTTGGGAGTTCTTACGCAAAACAACTGGGCTTCCGGGACAGCTGGTCTT 760
Qy 481 CATAGAGCCAAAGACTCAGGGGTAAAGCCCTTTGAGCAGTGTCTTAAAGAACAGCCC 540
Db 761 CATAGAGCCAAAGACTCAGGGGTAAAGCCCTTTGAGCAGTGTCTTAAAGAACAGCCC 820
Qy 541 AGACACAACAATAGAGGGATGCCAGAGTCTGTGGAGATGGAGGGTGCATGCCCCC 600
Db 821 AGACACAACAATAGAGGGATGCCAGAGTCTGTGGAGATGGAGGGTGCATGCCCCC 880
Qy 601 GAAGCCATTTAGGTGGTGTGGCTCTTCTCAGCCAGGGGCTTGAAGACTCTCTGCC 660
Db 881 GAAGCCATTTAGGTGGTGTGGCTCTTCTCAGCCAGGGGCTTGAAGACTCTCTGCC 940
Qy 661 TGACTTAGAGTACAGCCCGGAGGGTGTAGGAGGAGGAGGAGGGGTGTCTGGTGA 720
Db 941 TGACTTAGAGTACAGCCCGGAGGGTGTAGGAGGAGGAGGAGGGGTGTCTGGTGA 1000
Qy 721 AGTGTCTGAGTCTCTTGCAGCTGTGTGCGCCCTCTCTCTCGAAGACAGACCTCC 780
Db 1001 AGTGTCTGAGTCTCTTGCAGCTGTGTGCGCCCTCTCTCTCGAAGACAGACCTCC 1060
Qy 781 CACAGCATCTTACCCGGAAGACCACTGTAGAGGGTCTTCTTGAACCACTGTCTGT 840
Db 1061 CACAGCATCTTACCCGGAAGACCACTGTAGAGGGTCTTCTTGAACCACTGTCTGT 1120
Qy 841 GGAGAGATGGGTGTCTTCTGAGGACTGTGACGGTGTCTTCTGAGGAGGACAAAC 900
Db 1121 GGAGAGATGGGTGTCTTCTGAGGACTGTGACGGTGTCTTCTGAGGAGGACAAAC 1180
Qy 901 TGCCAGACTTGAGCCCAATTAATTTATTTTGTCTGTA 941
Db 1181 TGCCAGACTTGAGCCCAATTAATTTATTTTGTCTGTA 1221

RESULT 2

US-09-946-374-414
; Sequence 414, Application US/09946374
; Publication No. US20030073129A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830PICI
; CURRENT APPLICATION NUMBER: US/09/946,374
; CURRENT FILING DATE: 2001-09-04
; PRIOR APPLICATION NUMBER: 60/098716
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098723
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098749
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098750
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098803
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098821
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098843
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/ PRIOR FILING DATE: 1998-10-02
/ PRIOR APPLICATION NUMBER: 60/103258

/ PRIOR FILING DATE: 1998-10-06
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/ PRIOR FILING DATE: 1998-10-26
/ PRIOR APPLICATION NUMBER: 60/105694
/ PRIOR FILING DATE: 1998-10-26
/ PRIOR APPLICATION NUMBER: 60/105807

Query Match          97.8%; Score 934; DB 10; Length 1337;
Best Local Similarity 98.9%; Pred. No. 2.8e-303;
Matches 947; Conservative 4; Mismatches 4; Indels 3; Gaps 1;

QY 1 GATGTTTATTGAGCTACATGAGCTTCAGCATGAAAACCATCCGCTGCGCACGCTGGCT 60
Db 371 GATGTTTATTGAGCTACATGAGCTTCAGCATGAAAACCATCCGCTGCGCACGCTGGCT 430
QY 61 G---GCCTCGCCCAACCAAGGAGATCCAGGTTAAAAAGTACAAGTGTGGCTCATCAAGCC 117
Db 431 GCGAGCCTCGCCCAACCAAGGAGATCCAGGTTAAAAAGTACAAGTGTGGCTCATCAAGCC 490
QY 118 CTGCCCAAGCAACTACTTTGCGTTTAAATCTGCAGTGGGGCGCCCAACGTCGTGGGCCC 177
Db 491 CTGCCCAAGCAACTACTTTGCGTTTAAATCTGCAGTGGGGCGCCCAACGTCGTGGGCCC 550
QY 178 TACTATGTGCTTTGAGACCCCATGATCATGAGTCTGTGAAAACAATGTGGGCAGAGG 237
Db 551 TACTATGTGCTTTGAGACCCCATGATCATGAGTCTGTGAAAACAATGTGGGCAGAGG 610
QY 238 CCTAAACATCCGCTGTTGAATGGAACCAACGAGGAGCTGTGGGACAGAGGATTGGA 297
Db 611 CCTAAACATCCGCTGTTGAATGGAACCAACGAGGAGCTGTGGGACAGAGGATTGGA 670
QY 298 CATGTACTCTGGAGATGTTATGACCTAGTAGTAAATTCCTTAAAGAAATTCGCGGGGTGC 357
Db 671 CATGTACTCTGGAGATGTTATGACCTAGTAGTAAATTCCTTAAAGAAATTCGCGGGGTGC 730
QY 358 ACTGGTGTGCTGGCTTCCTACGAGCATGAGGACCAAAATGAACGATGAAGACAGAA 417
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Db 731 ACTGGTGTGGTGGCTCTCAGACGATCCAGGACCAAAATGAACGATGAAGCAGGAA 790
Qy 418 ACTTCTCTGTGCTTGGGAGTTCTTACGCAAAAACAACTGGGCTTCCGGGACAGCTGGGT 477
Db 791 ACTCTTCTCTGACTTGGGAGTTCTTACGCAAAAACAACTGGGCTTCCGGGACAGCTGGGT 850
Qy 478 CTTCTATGAGGACCAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTTCTTAAAGAACAG 537
Db 851 CTTCTATGAGGACCAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTTCTTAAAGAACAG 910
Qy 538 CCCAGACAAAACAAATACGAGGATGGCCAGAGCTGTCTGGAGATGGAGGCTGCATGCC 597
Db 911 CCCAGACAAAACAAATACGAGGATGGCCAGAGCTGTCTGGAGATGGAGGCTGCATGCC 970
Qy 598 CCCGAAGCCATTTTAGGTGGCTGTGGCTTCTCCTCAGCCAGGGGCTGAAGAGCTCCT 657
Db 971 CCCGAAGCCATTTTAGGTGGCTGTGGCTTCTCCTCAGCCAGGGGCTGAAGAGCTCCT 1030
Qy 658 GCTGACTTAGGAGTCAGAGCCGGCAGGGGCTGAGGAGGAGCAGGGGCTGTGGCT 717
Db 1031 GCTGACTTAGGAGTCAGAGCCGGCAGGGGCTGAGGAGGAGCAGGGGCTGTGGCT 1090
Qy 718 GGAAGTGTCTGAGGTCTTTCACGCTGTGTGGGCTCTCTCTCGGAAACAGAACCC 777
Db 1091 GGAAGTGTCTGAGGTCTTTCACGCTGTGTGGGCTCTCTCTCGGAAACAGAACCC 1150
Qy 778 TCCACAGACATCTTACCCGGAAGACCAAGCTCAGAGGTCCTTCTGGAAACAGAGTGC 837
Db 1151 TCCACAGACATCTTACCCGGAAGACCAAGCTCAGAGGTCCTTCTGGAAACAGAGTGC 1210
Qy 838 TGTGGAGAGAAATGGGCTGCTTTCGTCAGGAGCTGCTGAGGCTGTCTGAGGAGGACA 897
Db 1211 TGTGGAGAGAAATGGGCTGCTTTCGTCAGGAGCTGCTGAGGCTGTCTGAGGAGGACA 1270
Qy 898 AACTGCCAGACTTGAGCCCAATTAATTTTATTTTGTCTGTAATAAAAMAAWMA 955
Db 1271 AACTGCCAGACTTGAGCCCAATTAATTTTATTTTGTCTGTAATAAAAMAAWMA 1328

RESULT 3
US-10-015-395A-414
; Sequence 414, Application US/10015395A
; Publication No. US20040073015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan I.
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C57
; CURRENT APPLICATION NUMBER: US/10/015,395A
; CURRENT FILING DATE: 2001-12-12
; Prior application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 414
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-015-395A-414
Query Match 97.8%; Score 934; DB 12; Length 1337;
Best Local Similarity 98.9%; Pred. No. 2.8e-303;

Matches 947; Conservative 4; Mismatches 4; Indels 3; Gaps 1;
Qy 1 GATGTTTATTCGAAGCTACATGAGCTTTCAGCATGAAACCATCCGCTCTCCACGCTGGCT 60
Db 371 GATGTTTATTCGAAGCTACATGAGCTTTCAGCATGAAACCATCCGCTCTCCACGCTGGCT 430
Qy 61 G--GCCTCGCCCAACAAGGAGATCCAGGTTAAAAAGTACAAAGTGTGGCTCATCAAGCC 117
Db 431 GCGAGCTCGCCCAACAAGGAGATCCAGGTTAAAAAGTACAAAGTGTGGCTCATCAAGCC 490
Qy 118 CTGCCCCAGCAACTACTTTTGGCTTTAAATCTGAGTGGGGCCGCAACGTCGTGGGCC 177
Db 491 CTGCCCCAGCAACTACTTTTGGCTTTAAATCTGAGTGGGGCCGCAACGTCGTGGGCC 550
Qy 178 TACTATGTGCTTTGAAGCCGATCATGATCTGCTGAAAAACAATGTGGGCAGAG 237
Db 551 TACTATGTGCTTTGAAGCCGATCATGATCTGCTGAAAAACAATGTGGGCAGAG 610
Qy 238 CCTAAACATCGCCCTGGTGAATGGAACCAACGGAGCTGTCTGGGACAGAAGGCATTGA 297
Db 611 CCTAAACATCGCCCTGGTGAATGGAACCAACGGAGCTGTCTGGGACAGAAGGCATTGA 670
Qy 298 CATGTACTCTGAGATGTTATGCACTAGTGAATTTCTTTAAAGAAATTCGGGGGGTGC 357
Db 671 CATGTACTCTGAGATGTTATGCACTAGTGAATTTCTTTAAAGAAATTCGGGGGGTGC 730
Qy 358 ACTGCTGTGCTGGCTCCTTACGAGATCCAGGACCAAAATGAACGATGAAGCAGGAA 417
Db 731 ACTGCTGTGCTGGGCTCCTTACGAGATCCAGGACCAAAATGAACGATGAAGCAGGAA 790
Qy 418 ACTCTTCTCTGACTTGGGAGTTCTTACGCAAAAACAACTGGGCTTCCGGGACAGCTGGGT 477
Db 791 ACTCTTCTCTGACTTGGGAGTTCTTACGCAAAAACAACTGGGCTTCCGGGACAGCTGGGT 850
Qy 478 CTTCTATGAGGACCAAGACCTCAGGGGTAAAAACCCCTTTGAGCAGTTCTTAAAGAACAG 537
Db 851 CTTCTATGAGGACCAAGACCTCAGGGGTAAAAACCCCTTTGAGCAGTTCTTAAAGAACAG 910
Qy 538 CCCAGACAAAACAAATACGAGGATGGCCAGAGCTGTCTGGAGATGGAGGCTGCATGCC 597
Db 911 CCCAGACAAAACAAATACGAGGATGGCCAGAGCTGTCTGGAGATGGAGGCTGCATGCC 970
Qy 598 CCGAAGCCATTTTAGGTGGCTGTGGCTTCTCCTCAGCCAGGGGCTGAAGAGCTCCT 657
Db 971 CCGAAGCCATTTTAGGTGGCTGTGGCTTCTCCTCAGCCAGGGGCTGAAGAGCTCCT 1030
Qy 658 GCTGACTTAGGAGTCAGAGCCGGCAGGGCTGAGGAGGAGCAGGGGCTGTGGCT 717
Db 1031 GCTGACTTAGGAGTCAGAGCCGGCAGGGGCTGAGGAGGAGCAGGGGCTGTGGCT 1090
Qy 718 GGAAGTGTCTGAGGTCTTTCACGCTGTGTGGGCTCTCTCTCGGAAACAGAACCC 777
Db 1091 GGAAGTGTCTGAGGTCTTTCACGCTGTGTGGGCTCTCTCTCGGAAACAGAACCC 1150
Qy 778 TCCACAGACATCTTACCCGGAAGACCAAGCTCAGAGGTCCTTCTGGAAACAGAGTGC 837
Db 1151 TCCACAGACATCTTACCCGGAAGACCAAGCTCAGAGGTCCTTCTGGAAACAGAGTGC 1210
Qy 838 TGTGGAGAGAAATGGGCTGCTTTCGTCAGGAGCTGCTGAGGCTGTCTGAGGAGGACA 897
Db 1211 TGTGGAGAGAAATGGGCTGCTTTCGTCAGGAGCTGCTGAGGCTGTCTGAGGAGGACA 1270
Qy 898 AACTGCCAGACTTGAGCCCAATTAATTTTATTTTGTCTGTAATAAAAMAAWMA 955
Db 1271 AACTGCCAGACTTGAGCCCAATTAATTTTATTTTGTCTGTAATAAAAMAAWMA 1328

RESULT 4
US-10-147-493-459
; Sequence 459, Application US/10147493
; Publication No. US20040029217A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.


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Db      1151  TCCACAGCACAATCCTTACCCGGAGACGAGCCTCAGAGGGTCCCTTCTGGAAACAGAGCTGTC 1211
QY      838   TGTGGAGAGAAATGGGGTGCTTTCTGTCAGGAGCTGCTCAGCGTGGTCTCTGAGGAAGGACA 897
Db      1211  TGTGGAGAGAAATGGGGTGCTTTCTGTCAGGAGCTGCTCAGCGTGGTCTCTGAGGAAGGACA 1270
QY      898   AACTGCCAGACTTTGAGCCCAATTAATTTTATTTTCTGGTGAATAAATAAATAA 955
Db      1271  AACTGCCAGACTTTGAGCCCAATTAATTTTATTTTCTGGTGAATAAATAAATAA 1328

RESULT 11
US-10-140-808-459
; Sequence 459, Application US/10140808
; Publication No. US20030017563A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C182
; CURRENT APPLICATION NUMBER: US/10/140,808
; CURRENT FILING DATE: 2002-05-07
; Prior Apploication removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-808-459

Query Match          97.8%; Score 934; DB 13; Length 1337;
Best Local Similarity 98.9%; Pred. No. 2.8e-303;
Matches 947; Conservative 4; Mismatches 4; Indels 3; Gaps 174

QY      1   GATGTTTATTCGAAGCTACATGAGCTTCAGCATGAAAACCATCCGTCGCCACGCTGGCT 60
Db      371  GATGTTTATTCGAAGCTACATGAGCTTCAGCATGAAAACCATCCGTCGCCACGCTGGCT 430
QY      61   G---GCCTGCGCCCAAGAGATCCAGTTAAAAGTACAGTGTGGCCTCATCAAGCC 117
Db      431  GGCAGCCTCGCCCAACCAAGGATCCAGGTTAAAAAGTACAGTGTGGCCTCATCAAGCC 490
QY      118  CTGCCCAGCACTACTTTTGCTTTTAAATCTGCAAGTGGGGCGGCCAACGTCGTGGGGCCC 177
Db      491  CTGCCCAGCACTACTTTTGCTTTTAAATCTGCAAGTGGGGCGGCCAACGTCGTGGGGCCC 550
QY      178  TACTATGTGCTTTGAAGACCGCATGATCANGTCTCTGTGAAAAAACAATGTGGGCAGAGG 237
Db      551  TACTATGTGCTTTGAAGACCGCATGATCANGTCTCTGTGAAAAAACAATGTGGGCAGAGG 610
QY      238  CCTAAACATCGCCCTGGTCAATGGBAACACACGGAGCTGTGCTGGGACAGAGGCAATTGGA 297
Db      611  CCTAAACATCGCCCTGGTGAATGGBAACACCGGAGCTGTGCTGGGACAGAGGCAATTGGA 670
QY      298  CATGTACTCTGGAGATGTTATGCACCTAGTGAATTCCTTAAAGAAATTCGGGGGGGTGC 357
Db      671  CATGTACTCTGGAGATGTTATGCACCTAGTGAATTCCTTAAAGAAATTCGGGGGGGTGC 730

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4	4	PRIOR FILING DATE: 1998-09-23
5	5	PRIOR APPLICATION NUMBER: 60/101474
6	6	PRIOR FILING DATE: 1998-09-23
7	7	PRIOR APPLICATION NUMBER: 60/101475
8	8	PRIOR FILING DATE: 1998-09-23
9	9	PRIOR APPLICATION NUMBER: 60/101476
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11	11	PRIOR APPLICATION NUMBER: 60/101477
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16	16	PRIOR FILING DATE: 1998-09-24
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26	26	PRIOR FILING DATE: 1998-09-29
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46	46	PRIOR FILING DATE: 1998-10-01
47	47	PRIOR APPLICATION NUMBER: 60/102965
48	48	PRIOR FILING DATE: 1998-10-02
49	49	PRIOR APPLICATION NUMBER: 60/103258
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55	55	PRIOR APPLICATION NUMBER: 60/103328
56	56	PRIOR FILING DATE: 1998-10-07
57	57	PRIOR APPLICATION NUMBER: 60/103395
58	58	PRIOR FILING DATE: 1998-10-07
59	59	PRIOR APPLICATION NUMBER: 60/103396
60	60	PRIOR FILING DATE: 1998-10-07
61	61	PRIOR APPLICATION NUMBER: 60/103401
62	62	PRIOR FILING DATE: 1998-10-07
63	63	PRIOR APPLICATION NUMBER: 60/103449
64	64	PRIOR FILING DATE: 1998-10-06
65	65	PRIOR APPLICATION NUMBER: 60/103633
66	66	PRIOR FILING DATE: 1998-10-08
67	67	PRIOR APPLICATION NUMBER: 60/103678
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; PRIOR APPLICATION NUMBER: 60/105266
; PRIOR FILING DATE: 1998-10-22
; PRIOR APPLICATION NUMBER: 60/105693
; PRIOR FILING DATE: 1998-10-26
; PRIOR APPLICATION NUMBER: 60/105694
; PRIOR FILING DATE: 1998-10-26
; PRIOR APPLICATION NUMBER: 60/105807
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: 60/105881
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: 60/105882
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: 60/106023
; PRIOR FILING DATE: 1998-10-28

Query Match          97.8%; Score 934; DB 13; Length 1337;
Best Local Similarity 98.9%; Pred. No. 2.8e-303;
Matches 947; Conservative 4; Mismatches 4; Indels 3; Gaps 1;

QY 1 GATGTTTATTCGAAGCTACATGAGTTCAGCATGAAACCATCCGTCGCCAGCTGGCT 60
DB 371 GATGTTTATTCGAAGCTACATGAGTTCAGCATGAAACCATCCGTCGCCAGCTGGCT 430

QY 61 G---GCCTCGCCCAACAGAGATCCAGGTAAAGAGTACAGTGTGGCTCATCAAGCC 117
DB 431 GCGAGCTCGCCCAACAGAGATCCAGGTAAAGAGTACAGTGTGGCTCATCAAGCC 490

QY 118 CTGCCCAGCAACTACTTTGCGTTTAAATCTGAGTGGGGCCGCCNACCTCGTGGGCC 177
DB 491 CTGCCCAGCAACTACTTTGCGTTTAAATCTGAGTGGGGCCGCCNACCTCGTGGGCC 550

QY 178 TACTATGTGCTTTGAAGACCGCATGATCATGAGTCTCTGTGAAAAAACAATGTGGCAGAG 237
DB 551 TACTATGTGCTTTGAAGACCGCATGATCATGAGTCTCTGTGAAAAAACAATGTGGCAGAG 610

; PRIOR FILING DATE: 1998-10-14
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; PRIOR FILING DATE: 1998-10-20
; PRIOR APPLICATION NUMBER: 60/105000
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; PRIOR FILING DATE: 1998-10-22
; PRIOR APPLICATION NUMBER: 60/105693
; PRIOR FILING DATE: 1998-10-26
; PRIOR APPLICATION NUMBER: 60/105694
; PRIOR FILING DATE: 1998-10-26
; PRIOR APPLICATION NUMBER: 60/105807
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: 60/105881
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: 60/105882
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: 60/106023
; PRIOR FILING DATE: 1998-10-28

Query Match          97.8%; Score 934; DB 13; Length 1337;
Best Local Similarity 98.9%; Pred. No. 2.8e-303;
Matches 947; Conservative 4; Mismatches 4; Indels 3; Gaps 1;

QY 1 GATGTTTATTCGAAGCTACATGAGTTCAGCATGAAACCATCCGTCGCCAGCTGGCT 60
DB 371 GATGTTTATTCGAAGCTACATGAGTTCAGCATGAAACCATCCGTCGCCAGCTGGCT 430

QY 61 G---GCCTCGCCCAACAGAGATCCAGGTAAAGAGTACAGTGTGGCTCATCAAGCC 117
DB 431 GCGAGCTCGCCCAACAGAGATCCAGGTAAAGAGTACAGTGTGGCTCATCAAGCC 490

QY 118 CTGCCCAGCAACTACTTTGCGTTTAAATCTGAGTGGGGCCGCCNACCTCGTGGGCC 177
DB 491 CTGCCCAGCAACTACTTTGCGTTTAAATCTGAGTGGGGCCGCCNACCTCGTGGGCC 550

QY 178 TACTATGTGCTTTGAAGACCGCATGATCATGAGTCTCTGTGAAAAAACAATGTGGCAGAG 237
DB 551 TACTATGTGCTTTGAAGACCGCATGATCATGAGTCTCTGTGAAAAAACAATGTGGCAGAG 610
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QY 658 GCCTGACTTAGAGTCAGAGCCCGSCAGGGCTGAGGAGGAGGACGAGGGGTGCTGGCT 717
DB 1031 GCCTGACTTAGAGTCAGAGCCCGSCAGGGCTGAGGAGGAGGACGAGGGGTGCTGGCT 1090

QY 718 GGAAGGTGCTGAGGTCTCTTCAGCGTGTGCGGCTCTCTCTCTCGGAAACAGAACCC 777
DB 1091 GGAAGGTGCTGAGGTCTCTTCAGCGTGTGCGGCTCTCTCTCTCGGAAACAGAACCC 1150

QY 778 TCCACAGCAGCATCTTACCCGAGACAGCCTCAGAGGTCTCTCTCGGAAACAGAACCC 837
DB 1151 TCCACAGCAGCATCTTACCCGAGACAGCCTCAGAGGTCTCTCTCGGAAACAGAACCC 1210

QY 838 TGTGAGAGAGATGGGGTCTTTCGTCAGGACTGCTGACGGTGTCTCTGAGGAGGACA 897
DB 1211 TGTGAGAGAGATGGGGTCTTTCGTCAGGACTGCTGACGGTGTCTCTGAGGAGGACA 1270

QY 898 AACTGCCAGACTTGCAGCCCAATTAATTTTATTTTGTGTAATAAAWAAWAAWMA 955
DB 1271 AACTGCCAGACTTGCAGCCCAATTAATTTTATTTTGTGTTTGTGAAAAAATAA 1328

RESULT 13
US-10-013-907A-414
; Sequence 414, Application US/10013907A
; Publication No. US20030064925A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan I.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C34
; CURRENT APPLICATION NUMBER: US/10/013,907A
; CURRENT FILING DATE: 2001-12-10
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 414
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-013-907A-414

Query Match          97.8%; Score 934; DB 13; Length 1337;
Best Local Similarity 98.9%; Pred. No. 2.8e-303;
Matches 947; Conservative 4; Mismatches 4; Indels 3; Gaps 1;

QY 1 GATGTTTATTCGAAGCTACATGAGTTCAGCATGAAACCATCCGTCGCCAGCTGGCT 60
DB 371 GATGTTTATTCGAAGCTACATGAGTTCAGCATGAAACCATCCGTCGCCAGCTGGCT 430

QY 61 G---GCCTCGCCCAACAGAGATCCAGGTAAAGAGTACAGTGTGGCTCATCAAGCC 117
DB 431 GCGAGCTCGCCCAACAGAGATCCAGGTAAAGAGTACAGTGTGGCTCATCAAGCC 490

QY 118 CTGCCCAGCAACTACTTTGCGTTTAAATCTGAGTGGGGCCGCCNACCTCGTGGGCC 177
DB 491 CTGCCCAGCAACTACTTTGCGTTTAAATCTGAGTGGGGCCGCCNACCTCGTGGGCC 550

QY 178 TACTATGTGCTTTGAAGACCGCATGATCATGAGTCTCTGTGAAAAAACAATGTGGCAGAG 237
DB 551 TACTATGTGCTTTGAAGACCGCATGATCATGAGTCTCTGTGAAAAAACAATGTGGCAGAG 610
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238 CCTAAACATCGCCCTGGTGAATGAACACACGGAGCTGTCTGGGACAGAGGCAATTGGA 297
Db |||||
611 CCTAAACATCGCCCTGGTGAATGAACACACGGAGCTGTCTGGGACAGAGGCAATTGGA 670
QY CATGTACTCTGAGATGTTATGCACTAGTAAATTCCTTAAAGAAATTCGGGGGGTGC 357
Db |||||
671 CATGTACTCTGAGATGTTATGCACTAGTAAATTCCTTAAAGAAATTCGGGGGGTGC 730
QY 358 ACTGTGCTGTGGTCTCTTACGACGATCCAGGACCAAAATGAACGATGAAGCAGGAA 417
Db |||||
731 ACTGTGCTGTGGTCTCTTACGACGATCCAGGACCAAAATGAACGATGAAGCAGGAA 790
QY 418 ACTCTTCTGACTTGGGGAGTTCCTACGCAAAACAACTGGGCTTCGGGACAGCTGGT 477
Db |||||
791 ACTCTTCTGACTTGGGGAGTTCCTACGCAAAACAACTGGGCTTCGGGACAGCTGGT 850
QY 478 CTTCTAGGAGCAAAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTTCCTTAAAGAAACAG 537
Db |||||
851 CTTCTAGGAGCAAAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTTCCTTAAAGAAACAG 910
QY 538 CCCAGACAAACAAATACGAGGATGGCCAGAGCTGTGGAGATGGAGGGCTGCATGCC 597
Db |||||
911 CCCAGACAAACAAATACGAGGATGGCCAGAGCTGTGGAGATGGAGGGCTGCATGCC 970
QY 598 CCCGAAGCCATTTAGGGTGGCTGTGCTCTTCTCAGCAGGGGCTTGAAGAGCTCCT 657
Db |||||
971 CCCGAAGCCATTTAGGGTGGCTGTGCTCTTCTCAGCAGGGGCTTGAAGAGCTCCT 1030
QY 658 GCCTGACTTAGGAGTCAGAGCCCGGACGGGGCTGAGGAGGAGGAGCAGGGGGTGTGGGT 717
Db |||||
1031 GCCTGACTTAGGAGTCAGAGCCCGGACGGGCTGAGGAGGAGGAGCAGGGGGTGTGGGT 1090
QY 718 GGAAGGTCTGAGGTCTTGTGACGCTGTGCGGCCCTCTCTCTCGGAAACAGAACCC 777
Db |||||
1091 GGAAGGTCTGAGGTCTTGTGACGCTGTGCGGCCCTCTCTCTCGGAAACAGAACCC 1150
QY 778 TCCACAGCACATCTACCCGGAAGACAGGCTCAGAGGGTCTCTCTGGAACAGAGCTGTC 837
Db |||||
1151 TCCACAGCACATCTACCCGGAAGACAGGCTCAGAGGGTCTCTCTGGAACAGAGCTGTC 1210
QY 838 TGTGGAGAGATGGGGTGTCTTTCTGTCAGGAGCTGTCTGAGGAGTCTCTCTGAGGAGGACA 955
Db |||||
1271 AACTGCCAGACTTGAGCCCAATTAATTTATTTTGTCTGTTTTGAAAAAAGGACA 1328

RESULT 14

US-10-015-499A-414
; Sequence 414, Application US/10015499A
; Publication No. US20030065142A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan I.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C42
; CURRENT APPLICATION NUMBER: US/10/015,499A

; CURRENT FILING DATE: 2001-12-11

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 477

; SEQ ID NO 414

; LENGTH: 1337

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-015-499A-414

Query Match

Best Local Similarity 97.8%; Score 934; DB 13; Length 1337;

Matches 947; Conservative 4; Mismatches 4; Indels 3; Gaps 1;

QY 1 GATGTTTATTCGAAGCTACATGAGCTTCAGCATGAAAAACCATCCGTCTGCCACGCTGGCT 60

Db GATGTTTATTCGAAGCTACATGAGCTTCAGCATGAAAAACCATCCGTCTGCCACGCTGGCT 430

QY 61 G---GCCTCGCCACCAAGAGATCCAGGTTAAAAAGTACAAAGTGTGCGCTCATCAAGCC 117

Db GCGAGCCTCGCCACCAAGAGATCCAGGTTAAAAAGTACAAAGTGTGCGCTCATCAAGCC 490

QY 118 CTGCCACGACCAACTACTTTTGGCTTTAAATCTGCAGTGGGCGCCGCAACGTCGTGGGCCC 177

Db CTGCCACGACCAACTACTTTTGGCTTTAAATCTGCAGTGGGCGCCGCAACGTCGTGGGCCC 550

QY 178 TACTATGTGCTTTGAAGACCCGATGATCATGAGTCTCTGTGAAAAACAATGTGGGCAGAGG 237

Db TACTATGTGCTTTGAAGACCCGATGATCATGAGTCTCTGTGAAAAACAATGTGGGCAGAGG 610

QY 238 CCTAAACATCGCCCTGGTGAATGAACCAACGGGAGCTGTCTGGGACAGAGGCAATTGGA 297

Db CCTAAACATCGCCCTGGTGAATGAACCAACGGGAGCTGTCTGGGACAGAGGCAATTGGA 670

QY 298 CATGTACTCTGAGATGTTATGCACTAGTGAATTCCTTAAAGAAATTCGGGGGGTGC 357

Db CATGTACTCTGAGATGTTATGCACTAGTGAATTCCTTAAAGAAATTCGGGGGGTGC 730

QY 358 ACTGGTGTGTGGTGGCTCTTACGACGATCCAGGACCAAAATGAACGATGAAGCAGGAA 417

Db ACTGGTGTGTGGTGGCTCTTACGACGATCCAGGACCAAAATGAACGATGAAGCAGGAA 790

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Db CCCAGACAAACAAATACGAGGATGGCCAGAGCTGTGGAGATGGAGGGCTGCATGCC 970

QY 598 CCGAAGCCATTTAGGGTGGCTGTGCTCTCTCAGCAGGGGCTCTGAGAGAGCTCCT 657

Db CCGAAGCCATTTAGGGTGGCTGTGCTCTCTCAGCAGGGGCTCTGAGAGAGCTCCT 1030

QY 658 GCCTGACTTAGGAGTCAGAGCCCGGACGGGCTCAGGAGGAGGAGGAGGGGTCTCGCT 717

Db GCCTGACTTAGGAGTCAGAGCCCGGACGGGCTCAGGAGGAGGAGGAGGGGTCTCGCT 1090

QY 718 GGAAGGTGTGCGAGGTCTCTTGCACGCTGTGTGCGCCTCTCTCTCGGAAACAGAACCC 777

Db GGAAGGTGTGCGAGGTCTCTTGCACGCTGTGTGCGCCTCTCTCTCGGAAACAGAACCC 1150

QY 778 TCCACAGCACATCTACCCGGAAGACAGCTCAGAGGGTCTCTTCTGGAACAGAGCTGTC 837

Db TCCACAGCACATCTACCCGGAAGACAGCTCAGAGGGTCTCTTCTGGAACAGAGCTGTC 1210

QY 838 TGTGGAGAGATGGGGTGTCTTTCTGTCAGGAGCTGTCTGACGGCTGTCTCTCAGGAGGACA 897

Db TGTGGAGAGATGGGGTGTCTTTCTGTCAGGAGCTGTCTGACGGCTGTCTCTCAGGAGGACA 1270

QY 898 AACTGCCAGACTGAGCCCAATTAATTTATTTTCTGCTGTAATAAAATAAAMMA 955
 Db 1271 AACTGCCAGACTGAGCCCAATTAATTTATTTTCTGCTGTAATAAAATAA 1328

RESULT 15

US-10-152-405-459
 ; Sequence 459, Application US/10152405
 ; Publication No. US20030211571A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: DeForge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K
 ; APPLICANT: Wood, William
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; FILE OF INVENTION: ACIDS ENCODING THE SAME
 ; FILE REFERENCE: P3330R1C383
 ; CURRENT APPLICATION NUMBER: US/10/152,405
 ; CURRENT FILING DATE: 2002-05-20
 ; Prior Application removed - See File Wrapper or Palm
 ; NUMBER OF SEQ ID NOS: 550
 ; SEQ ID NO 459
 ; LENGTH: 1337
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 US-10-152-405-459

Query Match 97.8%; Score 934; DB 13; Length 1337;
 Best Local Similarity 98.9%; Pred. No. 2.8e-303;
 Matches 947; Conservative 4; Mismatches 4; Indels 3; Gaps 1;

QY 1 GATGTTATTCGAAGCTACATGAGCTTCAGCATGAAACCATCCGCTCCAGCGTGGCT 60
 Db 371 GATGTTATTCGAAGCTACATGAGCTTCAGCATGAAACCATCCGCTCCAGCGTGGCT 430
 QY 61 G---GCCTCGCCACCACGAGATCCAGGTAAAGTAAAGTACAAAGTGTGGCTCATCAAGCC 117
 Db 431 GCGAGCTCGCCACCACGAGATCCAGGTAAAGTAAAGTACAAAGTGTGGCTCATCAAGCC 490
 QY 118 CTGCCAGCAACTACTTTGGTTTAAATCTGAGTGGGGCGGCCCAACGTCGTGGGCC 177
 Db 491 CTGCCAGCAACTACTTTGGTTTAAATCTGAGTGGGGCGGCCCAACGTCGTGGGCC 550
 QY 178 TACTATGCTTTGAAGACCGCATGATCATGATGCTGTGAAAAACAATGAGTGGGACAGG 237
 Db 551 TACTATGCTTTGAAGACCGCATGATCATGATGCTGTGAAAAACAATGAGTGGGACAGG 610
 QY 238 CCTAAACATCGCCCTCGTGAATGGAAACACGAGGAGCTGTGCTGGGACAGAGCAATTGA 297
 Db 611 CCTAAACATCGCCCTCGTGAATGGAAACACGAGGAGCTGTGCTGGGACAGAGCAATTGA 670
 QY 298 CATGTACTCTGGAGATGTTATGCACTAGTGAATTCCTTAAAGAAATTCGGGGGGTGC 357
 Db 671 CATGTACTCTGGAGATGTTATGCACTAGTGAATTCCTTAAAGAAATTCGGGGGGTGC 730
 QY 358 ACTGGTGTGGTGGCTCTCTACGACGATCCAGGACCAAAATGAACGATGAAGCAGGAA 417
 Db 731 ACTGGTGTGGTGGCTCTCTACGACGATCCAGGACCAAAATGAACGATGAAGCAGGAA 790
 QY 418 ACTCTTCTGACTTGGGAGTTCTTACGCAAAACAATGGGCTTCGGGACACAGCTGGGT 477

Db 791 ACTCTTCTGACTTGGGAGTTCCTACGAAAAACAATGGGCTTCGGGACAGCTGGGT 850
 QY 478 CTTTCATAGAGCCAAAGACCTCAGGGGTAAAGCCCTTTTGAAGAGTTCTTTAAAGAACAG 537
 Db 851 CTTTCATAGAGCCAAAGACCTCAGGGGTAAAGCCCTTTTGAAGAGTTCTTTAAAGAACAG 910
 QY 538 CCCAGACAAACAATAACAGGGATGCCAGAGCTGTGGAGATGGAGGGCTGCATGCC 597
 Db 911 CCCAGACAAACAATAACAGGGATGCCAGAGCTGTGGAGATGGAGGGCTGCATGCC 970
 QY 598 CCCGAAGCCATTTTAGGGTGGCTGTGGGTCTTCTTCAGCCAGGGGCCCTGAAGAAGTCTCT 657
 Db 971 CCCGAAGCCATTTTAGGGTGGCTGTGGGTCTTCTTCAGCCAGGGGCCCTGAAGAAGTCTCT 1030
 QY 658 GCCTGACTTAGAGTCAGAGCCCGCAGGGGTGAGGAGGAGGACAGGGGTGCTGGGT 717
 Db 1031 GCCTGACTTAGAGTCAGAGCCCGCAGGGGTGAGGAGGAGGACAGGGGTGCTGGGT 1090
 QY 718 GGAAGGTGCTGCAGGTCTTTCAGCGCTGTGCGGCTCTCTCTCTCGAAAAACAGAACCC 777
 Db 1091 GGAAGGTGCTGCAGGTCTTTCAGCGCTGTGCGGCTCTCTCTCTCGAAAAACAGAACCC 1150
 QY 778 TCCCAACAGCACATCTTACCCGGAAGACAGCCTCAGAGGGTCTTCTTGAAACACAGCTGTC 837
 Db 1151 TCCCAACAGCACATCTTACCCGGAAGACAGCCTCAGAGGGTCTTCTTGAAACACAGCTGTC 1210
 QY 838 TGTGAGAGATGGGGTCTTTCAGCGCTGTGCGGCTCTCTCTCTCGAAAAACAGAACCA 897
 Db 1211 TGTGAGAGATGGGGTCTTTCAGCGCTGTGCGGCTCTCTCTCTCGAAAAACAGAACCA 1270
 QY 898 AACTGCCAGACTTCAGCCCAATTAATTTATTTTGTGCTAAAAAATAAAMMA 955
 Db 1271 AACTGCCAGACTTCAGCCCAATTAATTTATTTTGTGCTTTTGAATAAATAA 1328

Search completed: August 28, 2004, 09:28:20
 Job time : 486.161 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 27, 2004, 14:32:42 ; Search time 107.193 Seconds
(without alignments)
6725.050 Million cell updates/sec

Title: US-09-052-855A-13
Perfect score: 1299
Sequence: 1 GGNACAGCGCTGGCAGGCG.....CTGGTTTGAATAAAAAA 1299

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	515.6	39.7	548	1	US-08-469-667-6
3	515.6	39.7	548	4	US-09-224-110-6
4	515.6	39.7	548	5	PCT-US95-07289-6
5	423	32.6	464	4	US-09-621-976-13369
6	216.4	16.7	2475	4	US-09-220-132-179
7	102.4	7.9	705	4	US-09-167-513-8
8	84.2	6.5	876	4	US-09-167-513-1
9	84.2	6.5	913	4	US-09-702-114A-1
10	84.2	6.5	948	4	US-09-247-155-50
11	84.2	6.5	948	4	US-09-599-360B-13
12	84.2	6.5	957	4	US-09-866-028-90
13	46.6	3.6	7218	1	US-08-232-463-14
14	38.6	3.0	2353	4	US-09-620-312D-194
15	38.6	3.0	2731	4	US-09-786-240-25
16	38	2.9	6803	3	US-08-665-259-19
17	38	2.9	6803	3	US-08-762-500-19
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25	37	2.8	5471	4	US-09-535-008-62
26	37	2.8	5477	4	US-09-535-008-74
27	37	2.8	5480	4	US-09-535-008-70

28 37 2.8 5564 4 US-09-535-008-68 Sequence 68, Appli
29 37 2.8 5567 4 US-09-535-008-64 Sequence 64, Appli
30 37 2.8 5573 4 US-09-535-008-76 Sequence 76, Appli
31 37 2.8 5576 4 US-09-535-008-72 Sequence 72, Appli
32 36 2.8 2186 4 US-09-184-001-1 Sequence 1, Appli
33 35.8 2.8 3394 4 US-09-851-985-1 Sequence 1, Appli
34 35.8 2.8 3475 1 US-07-960-389-1 Sequence 1, Appli
35 35.4 2.7 6972 4 US-09-595-684B-38 Sequence 38, Appli
36 35.2 2.7 832 4 US-09-621-976-2813 Sequence 2813, Ap
C 37 35 2.7 505 4 US-09-252-991A-1748 Sequence 1748, Ap
C 38 34.6 2.7 594 4 US-09-252-991A-1748 Sequence 1821, Ap
C 39 34.6 2.7 1989 4 US-07-923-724-7 Sequence 7, Appli
40 34.4 2.6 2363 1 US-08-609-426A-7 Sequence 7, Appli
41 34.4 2.6 2379 2 US-08-374-652C-1 Sequence 1, Appli
42 34.4 2.6 2379 2 US-08-374-652C-1 Sequence 1, Appli
43 34.4 2.6 4403765 3 US-09-103-840A-2 Sequence 2, Appli
44 34.4 2.6 4411529 3 US-09-103-840A-1 Sequence 1, Appli
45 34.2 2.6 2908 4 US-09-930-181-1 Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-045-193-1
; Sequence 1, Application US/09045193
; Patent No. 6245550
; GENERAL INFORMATION:
; APPLICANT: HENSLEY, PRESTON
; APPLICANT: ROSE, GEORGE
; APPLICANT: AURORA, RAJEV
; APPLICANT: ABDEL-MEGUID, SHERIN
; APPLICANT: YOUNG, PETER
; APPLICANT: ZHU, YUAN
; APPLICANT: MOONEY, JEFFREY
; APPLICANT: BERGSMAN, DEREK
; APPLICANT: GUERRERA, STEPHANIE
; APPLICANT: ELLIS, CATHERINE
; TITLE OF INVENTION: The Cytokine Family Member
; TITLE OF INVENTION: EF-7
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ratner & Prestia
; STREET: P.O. Box 980
; CITY: Valley Forge
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/045.193
; FILING DATE: 20-MAR-1998
; CLASSIFICATION:
; PRIOR APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Prestia, Paul F
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: GP-70421
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0701
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1067 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single

[illegible]


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; APPLICATION NUMBER: PCT/US95/07289
; FILING DATE: 06-JUN-1995
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-265
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 548 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..405
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 1..405
; PCT-US95-07289-6

Query Match 39.7%; Score 515.6; DB 5; Length 548;
Best Local Similarity 98.2%; Pred. No. 6.4e-142;
Matches 540; Conservative 1; Mismatches 7; Indels 2; Gaps 2;

QY 550 ATGAGTCCTGTGAAACAAATGTGGCAGAGGCTTAAACATCGCCCTGGTGAATGAACC 609
Db 1 ATGAGTCCTGTGAAACAAATGTGGCAGAGGCTTAAACATCGCCCTGGTGAATGAACC 60

QY 610 ACGGGAGCTGTGCTGGGACAGAGGCAATTTGACATGTACTCTGGAGATGTTATGACCTA 669
Db 61 ACGGGAGCTGTGCTGGGACAGAGGCAATTTGACATGTACTCTGGAGATGTTATGACCTA 120

QY 670 GTGAATTCCTTAAAGAAATTCGGGGGTGCACTGGTGTCTGTGGCTCTTACGACGAT 729
Db 121 GTGAATTCCTTAAAGAAATTCGGGGGTGCACTGGTGTCTGTGGCTCTTACGACGAT 180

QY 730 CAGGGACCAAAATGACGATGAAGCAGGAAACTCTTCTGACTTGGGGAGTTCCTAC 789
Db 181 CAGGGACCAAAATGACGATGAAGCAGGAAACTCTTCTGACTTGGGGAGTTCCTAC 240

QY 790 GCAAAAACAACCTGGGCTTCGGGACAGCTGGGTCTTCATAGAGCACAAGACCTCAGGGT 849
Db 241 GCAAAAACAACCTGGGCTTCGGGACAGCTGGGTCTTCATAGAGCACAAGACCTCAGGGT 300

QY 850 AAAAGCCCCCTTGGAGCATCTTTAAAGACAGCCCGACAGACAAACAAATACGAGGATGG 909
Db 301 AAAAGCCCCCTTGGAGCATCTTTAAAGACAGCCCGACAGACAAACAAATACGAGGATGG 360

QY 910 CCAGAGCTGTGGAGATGGAGGCTGCATGCCCGGAAGCCATTTAGGGTGGCTGTGGC 969
Db 361 CCAGAGCTGTGGAGATGGAGGCTGCATGCCCGGAAGCCATTTAGGGTGGCTGTGGC 420

QY 970 TCTTCTCAGCAGCGGCTTGAAGAGCTCCTGCTGACTTAGGATCAGAGCCCGGAG 1029
Db 421 TCTTCTCAGCAGCGGCTTGAAGAGCTCCTGCTGACTTAGGATCAGAGCCCGGCA- 479

QY 1030 GGGCTGAGGAGGAGCAGGGGCTGCTGGTGAAGGTGCTGAGGCTTGCACGCTG 1089
Db 480 GGGCTGAGGAGGAGCAGGGGCTGCTGGTGAAGGTGCTGAGGCTTGCACGCTG 538

QY 1090 TGTGCGCCT 1099
Db 539 TGTGCGCCT 548

RESULT 5
US-09-621-976-13369
; Sequence 13369, Application US/09621976

; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 13369
; LENGTH: 464
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-621-976-13369

Query Match 32.6%; Score 423; DB 4; Length 464;
Best Local Similarity 99.6%; Pred. No. 1.1e-114;
Matches 445; Conservative 0; Mismatches 0; Indels 2; Gaps 2;

QY 10 CTGCCGAGGGCAGGAGCAGCTGGCCCACTGGGGCCGCGCAACACTCCGTCTCACCCCTCG 69
Db 20 CTGCCGAGGGCAGGAGCAGCTGGCCCACTGGGGCCGCGCGCAACACTCCGTCTCACCCCTCT- 78

QY 70 GGCCCACTGCATCTAGAGGAGGGCCGTCTGTGAGGGCCACTACCCCTCCAGCAACTGGGAG 129
Db 79 GGCCCACTGCATCTAGAGGAGGGCCGTCTGTGAGGGCCACTACCCCTCCAGCAACTGGGAG 138

QY 130 GTGGGACTCTCAGAAAGCTGGCCCAAGGGTGGTGGTCTAGCTGGGTCTAGGGACCTACGGCACC 189
Db 139 GTGGGACTCTCAGAAAGCTGGCCCAAGGGTGGTGGTCTAGCTGGGTCTAGGGACCTACGGCACC 198

QY 190 TGTGTGACCACTCGCCCTTCTCCATCGAAGCAGGGAAGTGGGAGCCTCGAGCCCTCGGCT 249
Db 199 TGTGTGACCACTCGCCCTTCTCCATCGAAGCAGGGAAGTGGGAGCCTCGAGCCCTCGGCT 258

QY 250 GGAAGCTGACCCCAAGCCACCTTTCACCTGGAGCAGGATGAGAGTGTGAGTGTGCTTCGC 309
Db 259 GGAAGCTGACCCCAAGCCACCTTTCACCTGGAGCAGGATGAGAGTGTGAGTGTGCTTCGC 318

QY 310 CTCCTGGCCCTCATCTTTGCCATAGTCAGACATGATGTTTATTCGAAGCTACATGAGC 369
Db 319 CTCCTGGCCCTCATCTTTGCCATAGTCAGACATGATGTTTATTCGAAGCTACATGAGC 378

QY 370 TTCAGCATGAACCAATCCGTCTGCCACGCTGCTGCCCTGCGCCCAAGGAGATCCAG 429
Db 379 TTCAGCATGAACCAATCCGTCTGCCACGCTGCTGCCCTGCGCCCTGCGCCCTGCG- 437

QY 430 GTTAAAAAGTACAAGTGTGGCCTCATC 456
Db 438 GTTAAAAAGTACAAGTGTGGCCTCATC 464

RESULT 6
US-09-220-132-179
; Sequence 179, Application US/09220132
; Patent No. 6506607
; GENERAL INFORMATION:
; APPLICANT: Shyjan, Andrew W.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE IDENTIFICATION AND ASSESSMENT.
; FILE REFERENCE: 07334-074001
; CURRENT APPLICATION NUMBER: US/09/220,132
; CURRENT FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: US 60/079,303
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: US 60/068,821
; PRIOR FILING DATE: 1997-12-24
; NUMBER OF SEQ ID NOS: 191
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 179
; LENGTH: 2475
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-220-132-179

Query Match
Best Local Similarity 16.7%; Score 216.4; DB 4; Length 2475;
Matches 334; Conservative 0; Mismatches 196; Indels 0; Gaps 0;

QY 439 TACAAGTGTGGCTCATCAAGCCCTGCCAGCCCACTACTTTGGGTTTAAATCTGCAGT 498
Db 333 TATAAGTGTGGATCTCAAAAGCTTGGCCCTGAGAAGCAATTTGCTTTTAAATGGCAAGT 392
QY 499 GGGGCGCCCAACGTCGTGGGCCCTTACTATGTCTTTGAAGACCGCATGATCATGAGTCCT 558
Db 393 GGAGCAGCCAAACGCTGGTGGGACCCAAATCTGCTCTGGAAGTAAATGTTTAAATGAGTGGT 452
QY 559 GTCAAAAACAATGTGGGCGAGCGCTTAAACATCGCCCTGTGTGAATGGAACCCAGGGAGCT 618
Db 453 GTTAAGAATAATGTTGGAAGAGGGATCAATGTTGCCCTTGGCAATGGAATAACAGGAGAA 512
QY 619 GTCTCTGGGACAGAGGCAATTTGACATGTACTCTGAGATGTTATGCACTAGTGAATTC 678
Db 513 GTATTAGACACTAAATATTTTGATCATGTGGGGAGAGATGTGCACCATTTATTGAGTTT 572
QY 679 CTTAAGAAATTCGGGGGGGTGCATCTGGTGTCTGCTGGTCTCTGAGATGTTCTTACGCAAAACAA 798
Db 573 CTGAGGGCCATACAAGATGGAACAATAGTTTAAATGGGAACATACATGATGGAGCAACC 632
QY 739 AAATGAACGATGAAGACGAGAAATCTCTCTGAGCTTGGGAGTTCCTTACGCAAAACAA 798
Db 633 AAACCTCAATGATGAGGACGCGGGGCTCATGCTGCTGTTGGGAGCACATCTATTACTAAT 692
QY 799 CTGGGCTTCGGGACAGCTGGGTCTTCATAGGCGCAAGACCTCAGGGTAAAGCCCC 858
Db 693 CTTGGTTTATAGACACACTGGGTCTCTGTTGGGAGGCGCATTAAGACAAATAAGCCCT 752
QY 859 TTTGAGAGCTTTTAAAGAACCCGACACACAAACAAATACGAGGATGGCCAGAGCTG 918
Db 753 TTTGAACAGCACATAAAGAACAAATAGGATACAAACAATATGAAGATGGCTGAAATT 812
QY 919 CTGGAGATGGAGGCTGATGTCGCCCGGAGGCCATTTTAGGTGGCTGTGG 968
Db 813 GTAGAATGGAAGGATGCATCCCGAGAGCAAGACTAATGGAAATGTGG 862

RESULT 7
US-09-167-513-8
; Sequence 8, Application US/09167513
; Patent No. 6388064
; GENERAL INFORMATION:
; APPLICANT: Conklin, Darrell C.
; APPLICANT: Blumberg, Hal
; TITLE OF INVENTION: A HUMAN 2-19 PROTEIN HOMOLOGUE, Z219A
; FILE REFERENCE: 97-63
; CURRENT APPLICATION NUMBER: US/09/167,513
; CURRENT FILING DATE: 1998-10-06
; EARLIER APPLICATION NUMBER: US 60/061,712
; EARLIER FILING DATE: 1997-10-06
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 705
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: variation
; LOCATION: (1)...(705)
; OTHER INFORMATION: Z219a Degenerate polynucleotide sequence
; OTHER INFORMATION: N is any nucleotide
US-09-167-513-8

Query Match
Best Local Similarity 7.9%; Score 102.4; DB 4; Length 705;
Matches 35.2%; Pred. No. 3.1e-20;

QY 433 AAAAAAGTACAAGTGTGGCTCATCAAGCCCTGCCAGCCCACTACTTTGGGTTTAAATC 492
Db 175 AARMGNCARAARTGYGAYCATYCGACNCCNTGTCNWSNGAYACNTAYGNTAYMGNTN 234
QY 493 TGCAGTGGGGCCCAACGTCGTGGGCCCTTACTATGTCTTTGAAGACCCGATCATG 552
Db 235 YTNWSNGGNGGNGNWSNAARTAYGCAARATHGTGTYTGGARGAAYAYNTYNTATG 294
QY 553 AGTCCTGTGAAAAACAATGTGGGCGAGGCTTAAACATCGCCCTGTGTAATGGAACACG 612
Db 295 GGNAGRCARYTNGNAAAYGTNGCMNGNGNATHAAYATGNCNATHGTNAAATYGTNACN 354
QY 613 GGAAGCTGTGTGGGACAGAGGCAATTTGACATGTACTCTGGAGATGTATGCACTAGT 672
Db 355 GGNAAAGTNACNGCNCNMGNTGTYTGYATATGTAYGARGNGAYAAAYWSNGNCCNATG 414
QY 673 ---AATTCCTTAAAGAAATTCGGGGGGTGCACCTGCTGCTGGTCCCTACGACGAT 729
Db 415 ACNAAATTTATHCARWSNGCNCNCAARWSNNTYNTYNTTATGTTNACNTAYGAYGAY 474
QY 730 CCAGGACCAAAATGAACGATGAAGCAGGAACTCTTCTGACTTGGGAGTTCCTTAC 789
Db 475 GGNWSNACNMGNNTNAAAYAGAYGCNAAAYGCNATHGARGCNYTNGNWSNAARGAR 534
QY 790 GCAAAACAACTGGGCTTCGGGACAGCTGGGTCTTCATAGGAGGCCAAA-----GACCTC 843
Db 535 AITHMGNAAYATGAARTYMGNWSNNTGGGNTTATYTHGNCNGNAAARGNTNGARYTN 594
QY 844 AGGGTAAAGCCCTTTTGAAGCAGTTCTTAAAGAACAGCCGACACAAACAAATACGAG 903
Db 595 CCNWSNGARATHCARWNGARAAARATHAAYCAYWSNGAYGCNAAAYAAAYMNTAYWSN 554
QY 904 GGATGCCAGAGCTCTCTGGAGATGAGGGCTGCATGCCCCCGAAGC 949
Db 655 GGTGGCCGNGCNGARATHCARATHGARGNTGYATHCCNAAARGAR 700

RESULT 8
US-09-167-513-1
; Sequence 1, Application US/09167513
; Patent No. 6388064
; GENERAL INFORMATION:
; APPLICANT: Conklin, Darrell C.
; APPLICANT: Blumberg, Hal
; TITLE OF INVENTION: A HUMAN 2-19 PROTEIN HOMOLOGUE, Z219A
; FILE REFERENCE: 97-63
; CURRENT APPLICATION NUMBER: US/09/167,513
; CURRENT FILING DATE: 1998-10-06
; EARLIER APPLICATION NUMBER: US 60/061,712
; EARLIER FILING DATE: 1997-10-06
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 876
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (119)...(823)
US-09-167-513-1

Query Match
Best Local Similarity 6.5%; Score 84.2; DB 4; Length 876;
Matches 262; Conservative 0; Mismatches 248; Indels 9; Gaps 2;

QY 433 AAAAAAGTACAAGTGTGGCTCATCAAGCCCTGCCAGCCCACTACTTTGGGTTTAAATC 492
Db 293 AAAAGGCAAAAATGTGACCACCTGCACTCCCTGCCCATCTGCACCTATGCTTACAGTTA 352
QY 493 TGCAGTGGGGCCCGCAACGTCGTGGGCCCTTACTATGTCTTTGAAGACCCGATCATG 552

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Db	353	CTACCGGAGGTGGCAGAGCAAGTACGCCAAAATCTGCTTTGAGGATAAACCCTACTTATG	412
QY	553	AGTCCTGTGAAAAACAATGTGGCAGAGCCCTTAAACATGCGCTGGTGAATGGAACCCAG	612
Db	413	GGAGAACAGCTGGGAAATGTTGCCAGAGGAATAAACATTGCTCAACTATGTAAC	472
QY	613	GGAGCTGTGCGGAGCAGAGCATTGACATGTACTCTGAGATGTTATGCACCTAGTG	672
Db	473	GGGAATGTGACACCAACAGATGTTTGTATGATGAAGGCGATAAATCTTGGACCGATG	532
QY	673	AAATTCCTTAAAGAAATCCGGGGGTGCA---CTGGTGTCTGGTCCCTTACACGAT	729
Db	533	ACAAAGTTTATTCAGAGTGTCTCCAAAATCCCTGCTTTCATGCTGACCTATGACGAC	592
QY	730	CCAGGGACCAAAATGAACGATGAAAGCAGAGGAAATCTTCTCTCTGACTTGGGAGTTTCTTAC	789
Db	593	GGAAGCACAAGACTGAATTAACGATGCCAAGATGCCATAGAAGCACTTGGAAAGTAAAGAA	652
QY	790	GCAAAACAACCTGGCTTCGGGACAGCTGGGTCTTCATAGAGGCCAAA-----GACCTC	843
Db	653	ATCAGAACATGAATTCAGGTCTAGCTGGGTATTTATTTGACGACAAAAGGCTTGGAACTC	712
QY	844	AGGGTAAAGCCCTTTTGGAGCTTCTTAAAGACAGCCACAGACACAAACAAATACGAG	903
Db	713	CGCTCGGCTGCAGAGATCCAGATAGAAGGCTGCATACCC	772
QY	904	GGATGCCAGAGCTGCTGGAGATGAGGGCTGCATGCC	942
Db	773	GGCTGGCTGCAGATCAGATAGAAGGCTGCATACCC	811
RESULT 9			
US-09-702-114A-1			
; Sequence 1, Application US/09702114A			
; Patent No. 6566078			
; GENERAL INFORMATION:			
; APPLICANT: Arthur B. Raitano			
; APPLICANT: Aya Jakobovits			
; APPLICANT: Mary Paris			
; APPLICANT: Daniel E.H. Afar			
; APPLICANT: Rene S. Hubert			
; APPLICANT: Steve Chappell Mitchell			
; TITLE OF INVENTION: 36PD5: SECRETED TUMOR ANTIGEN			
; FILE REFERENCE: 129.22-US-01			
; CURRENT APPLICATION NUMBER: US/09/702,114A			
; PRIOR FILING DATE: 2001-06-04			
; PRIOR APPLICATION NUMBER: 60/162,417			
; PRIOR FILING DATE: 1999-10-28			
; NUMBER OF SEQ ID NOS: 28			
; SOFTWARE: FastSeq for Windows Version 4.0			
; SEQ ID NO 1			
; LENGTH: 913			
; TYPE: DNA			
; ORGANISM: Homo Sapiens			
US-09-702-114A-1			
Query Match 6.5%; Score 84.2; DB 4; Length 913;			
Best Local Similarity 50.5%; Pred. No. 8e-15;			
Matches 262; Conservative 0; Mismatches 248; Indels 9; Gaps 2;			
QY	433	AAAAAGTACAAAGTGTGGCTTCATCAAGCCCTGCCAGCCAACTACTTGGCTTTAAATC	492
Db	233	AAAGGCAAAATGTGACCACTGGACTCCCTGCCCATCTGACACCTATGCTACAGTTA	292
QY	493	TGCAGTGGGCGCCCAACGTCGTGGGCGCTTACTATGTGCTTTGAAGCCGATGATCATG	552
Db	293	CTCAGCGAGTGGCAGAGCAAGTACGCCAAAATCTGCTTGAAGGATAACCTACTTATG	352
QY	553	AGTCCTGTGAAAAACAATGTGGCAGAGCCCTTAAACATGCGCTGGTGAATGGAACCCAG	612
Db	353	GGAGAACAGCTGGGAAATGTTGCCAGAGGAATAAACATTGCTCAACTATGTAAC	412
QY	613	GGAGCTGTGCGGAGCAGAGCATTGACATGTACTCTGAGATGTTATGCACCTAGTG	672

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Db 254 AAAAGGCAAAATGTGACCACTGGACTCCCTGCCCTCTGACACCTATGCTACAGGTTA 313
QY 493 TGCAGTGGGGCCGCCAACGTCGTGGGCCCTACTATGTCTTTGAAAGCCGCATGATCATG 552
Db 314 CTCAGCGGAGGTGGCAGAACAGTAGTACGCCAAATCTGCTTTTGAGGATAACCTACTTATG 373
QY 553 AGTCCTGTGAAAAACAATGTGGGCAGAGGCTTAAACATGCCCTGTGTGAATGGAACACG 612
Db 374 GGAGAACAGCTGGAAATGTTGCCAGAGNATAAACATTTGCCATTTGCAACTATGTAAC 433
QY 613 GGAGCTGTGTGGGACAGAGGCAATTTGACATGCTACTCTGGAGATGTTATGCACTTAGTG 672
Db 434 GGGAATTTGACAGCAACACGATGTTTGTATGATGTAAGGGCGATAACTCTGCAACGATG 493
QY 673 AAATTCCTTAAAGAAATTCGGGGGTGCA--CTGGTGTGTGGCTTCCCTTACAGGAT 729
Db 494 ACAAGTTTATTCAGAGTGTGCTCCAAATCCCTGCTTTCATGTTGACCTATGACGAC 553
QY 730 CCAGGACCAAAATGAAACGATGAAAGCAGGAACTCTTCTGACTTGGGGAGTTCCCTAC 789
Db 554 GGAAGCACAAGACTGATATACGATGCCAAGATGCCATAGAGCACTTGGAAATAAGAA 613
QY 790 GCAAAACAATCGGCTTCCGGACAGCTGGGTCTTCAAGAGCCCAA-----GACCTC 843
Db 614 ATCAGGAACATGAAATTCAGGTCTAGCTGGGTATTTATTTGCAAGAAAGCTTGGAACTC 673
QY 844 AGGGGTAAAGCCCTTTGAGCAGTCTTAAAGAACAGCCGACACAAACAAATACGAG 903
Db 674 CCTTCGAAATTCAGAGAGAAAGATCAACCACTCTGATGCTAAGAACACAGATATCT 733
QY 904 GGATGCCAGAGCTGCTGGAGATGGAGGCTGCATGCC 942
Db 734 GCGTGGCTGCAGAGATCCAGATAGAGGCTGCATACCC 772

RESULT 11
US-09-599-360B-13
; Sequence 13, Application US/09599360B
; Patent No. 6548633
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Bougueleret, L.
; APPLICANT: Jobert, S.
; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
; FILE REFERENCE: GENSET.050CP3
; CURRENT APPLICATION NUMBER: US/09/599,360B
; PRIOR FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: 60/113,686
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/141,032
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/469,099
; PRIOR FILING DATE: 1999-12-21
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: Patent.pm
; SEQ ID NO 13
; LENGTH: 948
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 80..784
; NAME/KEY: sig_peptide
; LOCATION: 80..139
; OTHER INFORMATION: Von Heijne matrix
; OTHER INFORMATION: score 4
; OTHER INFORMATION: seq LLKVVVVFASLC/AW
; NAME/KEY: polyA_signal
; LOCATION: 910..915
; NAME/KEY: polyA_site
; LOCATION: 933..948
US-09-599-360B-13
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Query Match 6.5%; Score 84.2; DB 4; Length 948;
Best Local Similarity 50.5%; Pred. No. 8.2e-15;
Matches 262; Conservative 0; Mismatches 248; Indels 9; Gaps 2;

QY 433 AAAAGTACAAAGTGTGGCTCATCAAGCCCTGCCAGCCAACTACTTTCGGTTTAAATC 492
Db 254 AAAAGCAAAATGTGACCACTGGACTCCCTGCCATCTGACACCTATGCTACAGGTTA 313
QY 493 TGCAGTGGGGCCGCCAACGTCGTGGGCCCTACTATGTGTGTTTGAAGACCGCATGATCATG 552
Db 314 CTCAGCGGAGGTGGCAGAACAGTAGTACGCCAAATCTGCTTTTGAGGATAACCTACTTATG 373
QY 553 AGTCCTGTGAAAAACAATGTGGGCAGAGGCTTAAACATGCCCTGTGTGAATGGAACACG 612
Db 374 GGAGAACAGCTGGGAAATGTTGCCAGAGGAATAAACATTTGCCATTTGCAACTATGTAAC 433
QY 613 GGAGCTGTGCTCGGACAGAAAGCATTTGACATGTTACTCTGGAGATGTTATGCACTTAGTG 672
Db 434 GGGAATGTCAGAGCAACACGATGTTTGTATGATGTAAGGGCGATAACTCTGAGCCGATG 493
QY 673 AAATTCCTTAAAGAAATTCGGGGGTGCA---CTGGTGTGTGGCTTCCCTACAGGAT 729
Db 494 ACAAGTTTATTCAGAGTGTGCTCCAAATCCCTGCTTCTCATGTTGACCTATGACGAC 553
QY 730 CCAGGACCAAAATGAAACGATGAAAGCAGGAACTCTTCTGACTTGGGGAGTTCCCTAC 789
Db 554 GGAAGCACAAGACTGAATAACGATGCCAAGAAATGCCATAGAGCACTTGGAAATAAGAA 613
QY 790 GCAAAACAATCGGCTTCCGGACAGCTGGGTCTTCAAGAGCCCAA-----GACCTC 843
Db 614 ATCAGGAACATGAAATTCAGGTCTAGCTGGGTATTTATTTGCAAGAAAGCTTGGAACTC 673
QY 844 AGGGGTAAAGCCCTTTGAGCAGTCTTAAAGAACAGCCGACACAAACAAATACGAG 903
Db 674 CCTTCGAAATTCAGAGAGAAAGATCAACCACTCTGATGCTAAGAACACAGATATCT 733
QY 904 GGATGCCAGAGCTGCTGGAGATGGAGGCTGCATGCC 942
Db 734 GCGTGGCTGCAGAGATCCAGATAGAGGCTGCATACCC 772

RESULT 12
US-09-866-028-90
; Sequence 90, Application US/09866028
; Patent No. 6642360
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
; APPLICANT: Botstein, David
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerzitsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Hillan, Kenneth
; APPLICANT: Kljavin, Ivar
; APPLICANT: Napier, Mary
; APPLICANT: Roy, Margaret
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P2548PlC1
; CURRENT APPLICATION NUMBER: US/09/866,028
; CURRENT FILING DATE: 2001-05-25
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 120
; SEQ ID NO 90
; LENGTH: 957
; TYPE: DNA
; ORGANISM: Homo Sapien
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US-09-866-028-90

Query Match 6.5%; Score 84.2; DB 4; Length 957;
Best Local Similarity 50.5%; Pred. No. 8.2e-15;
Matches 262; Conservative 0; Mismatches 248; Indels 9; Gaps 2;
QY 433 AAAAGTACAGTGTGGCTCATCAAGCCCTGCCAGCCAACTACTTTCGGTTTAAATC 492
DB 183 AAAAGCAAAATGTGACCACTGGACTCCTGCGCCATCTGACACCTATGCCCTACAGTTA 242
QY 493 TGCAGTGGGCGCCCAACGCTGGGGCCCTACTATGTCTTGAAGACCGCATGATCATG 552
DB 243 CTCAGCGAGGTGGCAGACGAGTACGCCAAATCTGCTTTGAGGATAACCTACTATTG 302
QY 553 AGTCTGTGAAAAAACAATGTGGCAGAGCCTAAACATGCCCTGTGTGAATGAACACG 612
DB 303 GGAGAACAGCTGGGAATGTTGCCAGAGGAATAACAATGGCCATTCCTCAACTATGPACT 362
QY 613 GGAGCTGTGCTGGGACAGAGGCAATTTGACATGCTACTCTGGAGATGTTATGCACTTAGTG 672
DB 363 GGGATGTGACACACACGATGTTTGTATGATGATGAAGCGCATAACTCTGACCGATG 422
QY 673 AAATTCCTTAAAGAAATCCGGGGGTGCA---CTGGTGTGGTGGCCCTCTACGACGAT 729
DB 423 ACAAGTTTATTACAGAGTGTCTCCAAAATCCCTGCTCTCATGTGACCTATGACGAC 482
QY 730 CCAGGACCAAAATGAACGATGAACAGCAGAACTCTTCTGACTTGGGGATTCCTTAC 789
DB 483 GGAAGCACAGACTGAATAACGATGCCAAGATGCCATAGAAGCACTTGGAGTAAGAA 542
QY 790 GCAAAACAATCGGCTTCCGGGACAGCTGGGTCTTCATAGGAGCCAAA-----GACCTC 843
DB 543 ATCAGAAACATGAATTCAGTCTAGTGGTATTTATTGACAGCAAAAGCTTGGACTC 602
QY 844 AGGGTAAAGCCCTTTGAGCAGTTCCTTAAAGAACAGCCCGACAGCAAAACAATACGAG 903
DB 603 CTTCCGAAATCAGAGAGAAAGATCAACCACTCTGATGCTAAGAACACAGATATCT 662
QY 904 GAGTCCAGAGCTGCTGGAGATGAGGGCTGATGCC 942
DB 663 GGCTGGCTGCAGAGATCCAGATAGAGGCTGATACCC 701

RESULT 13

US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6

FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 30472/114 IMMU
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
TELEFAX: (703)683-4109
TELEX: 899149
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: PT29pt-Fls
US-08-232-463-14
Query Match 3.6%; Score 46.6; DB 1; Length 7218;
Best Local Similarity 6.0%; Pred. No. 0.0027;
Matches 25; Conservative 213; Mismatches 177; Indels 0; Gaps 0;
QY 544 ATGATCATGAGTCTGTGAAACAAATGTGGGAGAGGCTAAACATCGCCCTGGTGAAT 603
DB 1447 AAGAATTTGTTACRR 1388
QY 604 GGAACACAGGAGCTGTGCTGGACAGAGGCAATTTGACATGCTACTCTGAGATGTTATG 663
DB 1387 RRR 1328
QY 664 CACCTAGTCAAAATTCCTTAAAGAAATTCGGGGGGTGCACTGGTGTGGCTCCTAC 723
DB 1327 RRR 1268
QY 724 GAGATCCAGGACCAAAATGAACGATGAAGAGGAAACTCTTCTGACTTGGGAGT 783
DB 1267 RRR 1208
QY 784 TCTAGCAAAACAACTGGGCTTCGGGACAGTGGTCTTCATAGGACCAAGACCTC 843
DB 1207 RRR 1148
QY 844 AGGGTAAAGCCCTTTGAGCAGTTCCTTAAAGAACAGCCCGACAGCAAAACAATACGAG 903
DB 1147 RRR 1088
QY 904 GGATGCCAGAGCTGCTGGAGATGGAGGGCTGATGCCCGGAGCCATTTTAGG 958
DB 1087 RRR 1033
RESULT 14
US-09-620-312D-194
; Sequence 194, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aigong J.
; APPLICANT: Wang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yunding
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghaast

; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_PL_genes Version 1.0
; SEQ ID NO 194
; LENGTH: 2353
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (153)..(2309)
US-09-620-312D-194

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Best Local Similarity 47.6%; Pred. No. 0.35;
Matches 147; Conservative 0; Mismatches 159; Indels 3; Gaps 1;

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QY 710 TGGTGGCTCTTACGACGATCCAGGACCAAAATGAACCATGAAGCAAGCACTTTCT 769
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QY 770 CTGACTTGGGAGTTCTTACGCAAAACAACTGGGCTTCCGGGACAGCTGGGTCTTCATAG 829
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; Sequence 25, Application US/09786240
; Patent No. 6558935
; GENERAL INFORMATION:
; APPLICANT: INCYTE PHARMACEUTICALS, INC.
; APPLICANT: TANG, Y. Tom
; APPLICANT: CORLEY, Neil C.
; APPLICANT: GUEGLER, Karl J.
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: LAL, Preeti
; APPLICANT: YUE, Henry
; APPLICANT: HILLMAN, Jennifer L.
; APPLICANT: AZIMZAI, Valda
; TITLE OF INVENTION: HUMAN TRANSFERASE PROTEINS
; FILE REFERENCE: PF-0592 PCT
; CURRENT APPLICATION NUMBER: US/09/786,240
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 09/150,657; unassigned; 09/186,779; unassigned; 60/133,642
; PRIOR FILING DATE: 1998-09-10; 1998-09-10; 1998-11-04; 1999-05-11
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PERL Program
; SEQ ID NO 25

; LENGTH: 2731
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6558935 2153162CB1
US-09-786-240-25

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Job time : 112.193 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 28, 2004, 05:14:55 ; Search time 655.839 Seconds
(without alignments)
9747.710 Million cell updates/sec

Title: US-09-052-855A-13

Perfect score: 1299

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Gapop 10.0 , Gapext 1.0

Searched: 3237270 seqs, 2460713050 residues

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1285	98.9	1337	12	Sequence 414, App
3	1285	98.9	1337	13	US-10-015-395A-414
4	1285	98.9	1337	13	Sequence 414, App
5	1285	98.9	1337	13	US-10-147-493-459
6	1285	98.9	1337	13	Sequence 459, App
7	1285	98.9	1337	13	US-10-145-127-459
8	1285	98.9	1337	13	Sequence 459, App
9	1285	98.9	1337	13	US-10-160-503-459
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11	1285	98.9	1337	13	US-10-143-118-459
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22	1285	98.9	1337	13	Sequence 414, App
23	1285	98.9	1337	13	US-10-013-907A-414
24	1285	98.9	1337	13	Sequence 414, App
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23	1285	98.9	1337	13	US-10-146-786-459	Sequence 459, App
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46	1285	98.9	1337	15	US-10-123-108-459	Sequence 459, App

ALIGNMENTS

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; Sequence 414, Application US/09946374
; Publication No. US20030073129A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2830P1C1
; CURRENT APPLICATION NUMBER: US/09/946,374
; CURRENT FILING DATE: 2001-09-04
; PRIOR APPLICATION NUMBER: 60/098716
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098723
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098749
; PRIOR FILING DATE: 1998-09-01

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; PRIOR APPLICATION NUMBER: 60/104257
; PRIOR FILING DATE: 1998-10-14
; PRIOR APPLICATION NUMBER: 60/104987
; PRIOR FILING DATE: 1998-10-20
; PRIOR APPLICATION NUMBER: 60/105000
; PRIOR FILING DATE: 1998-10-20
; PRIOR APPLICATION NUMBER: 60/105002
; PRIOR FILING DATE: 1998-10-20
; PRIOR APPLICATION NUMBER: 60/105104
; PRIOR FILING DATE: 1998-10-21
; PRIOR APPLICATION NUMBER: 60/105169
; PRIOR FILING DATE: 1998-10-22
; PRIOR APPLICATION NUMBER: 60/105266
; PRIOR FILING DATE: 1998-10-22
; PRIOR APPLICATION NUMBER: 60/105693
; PRIOR FILING DATE: 1998-10-26
; PRIOR APPLICATION NUMBER: 60/105694
; PRIOR FILING DATE: 1998-10-26
; PRIOR APPLICATION NUMBER: 60/105807

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DB 747 TCCTACGACGATCAGGGACCAAAATGAACGATGAAGCAGGAAACTCTTCTCTGACTTG 806
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QY 838 GACCTCAGGGGTAAAGCCCTTTTGAGCAGTCTTAAAGAAACAGCCAGCCAGACACAAACAAA 897
DB 867 GACCTCAGGGGTAAAGCCCTTTTGAGCAGTCTTAAAGAAACAGCCAGCCAGACACAAACAAA 926
QY 898 TAGCAGGAGTGGCCAGCAGCTGCTGGAGATGAGAGGCTGATGCCCGAAGCCATTTTAG 957
DB 927 TAGCAGGAGTGGCCAGCAGCTGCTGGAGATGAGAGGCTGATGCCCGAAGCCATTTTAG 986
QY 958 GGTGGCTGTGGCTTCTTCTCAGCCAGGCGCTGAGAGAGCTCTGAGAGCTCTGAGAGTCT 1017
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QY 1018 AGAGCCCGCAGGGGCTGAGGAGGAGCAGGGGGGTGCTGCTGGAAGGTGCTGCAGGT 1077
DB 1047 AGAGCCCGCAGGGGCTGAGGAGGAGCAGGGGGTGTGCTGGAAGGTGCTGCAGGT 1106
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; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan I.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas P.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2830P1C57
; CURRENT APPLICATION NUMBER: US/10/015,395A
; PRIOR FILING DATE: 2001-12-12
; Prior application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 414
; LENGTH: 1337
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1227 TGCTTTCGAGGAGTGTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1286
QY |||||
1258 GCCCAATTAATTTTATTTTGTGGTTTGAAGAAAAA 1299
Db |||||
1287 GCCCAATTAATTTTATTTTGTGGTTTGAAGAAAAA 1328

RESULT 4
US-10-145-127-459
; Sequence 459, Application US/10145127
; Publication No. US20040033558A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Pilvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C252
; CURRENT APPLICATION NUMBER: US/10/145,127
; CURRENT FILING DATE: 2002-05-13
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-145-127-459

Query Match 98.9%; Score 1285; DB 13; Length 1337;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1298; Conservative 0; Mismatches 1; Indels 3; Gaps 1;

QY 1 GGNACAGCCTGCGCAGGGCAGGACAGCTGGGCCCACTGGGGCCCGCAACTCCGCT 60
Db 27 GGGCAGAGCCTGCGCAGGGCAGGACAGCTGGGCCCACTGGGGCCCGCAACTCCGCT 86
QY 61 CACCCCTCTGGGCCCACTGCATCTAGAGGAGGCGCTCTGTGAGGCCACTACCCCTCCAG 120
Db 87 CACCCCTCTGGGCCCACTGCATCTAGAGGAGGCGCTCTGTGAGGCCACTACCCCTCCAG 146
QY 121 AACTGGGAGGTGGGACTGTCTAGAAAGCTGGCCAGGGTGGTGGTCTGAGTGGGTCAAGGACC 180
Db 147 AACTGGGAGGTGGGACTGTCTAGAAAGCTGGCCAGGGTGGTGGTCTGAGTGGGTCAAGGACC 206
QY 181 TACGGCAGCTCTGCGACCACTCCGCTTCTCCATCGAAGCAGGAGGAGGAGGAGGAGGAGGAGG 240
Db 207 TACGGCAGCTCTGCGACCACTCCGCTTCTCCATCGAAGCAGGAGGAGGAGGAGGAGGAGGAGG 266
QY 241 CCCTCGGGTGAAGAGTGAAGCCCAAGCCCAAGCCCTTCCCTTCCATCGAAGCAGGAGGAGGAGGAGGAGG 300
Db 267 CCCTCGGGTGAAGAGTGAAGCCCAAGCCCAAGCCCTTCCCTTCCATCGAAGCAGGAGGAGGAGGAGGAGG 326
QY 301 GTGCTTCCGCTCTGGGCCCTCATCTTTGCCATAGTACGATGATGATTTATTCGAAGC 360
Db 327 GTGCTTCCGCTCTGGGCCCTCATCTTTGCCATAGTACGATGATGATTTATTCGAAGC 386
QY 361 TACATGAGCTTACGATGAAGAACCACTCCGCTGTGCGACGCTGGCTG---GCCTGCGCCACC 417
Db 387 TACATGAGCTTACGATGAAGAACCACTCCGCTGTGCGACGCTGGCTGGCAGCTCGCCACC 446
QY 418 AAGGAGATCCAGGTTAAAGTAAAGTACAGTGTGGCTCATCAAGCCCTGCCAGCCAACTAC 477
Db 447 AAGGAGATCCAGGTTAAAGTAAAGTACAGTGTGGCTCATCAAGCCCTGCCAGCCAACTAC 506
QY 478 TTTGCGTTTAAATCTGCAAGTGGGCGCCCAAGCTGTGGGCGCTACTATGTCTTTGAA 537

507	Db	TTTTGCGTTTAAATCTGCAGTGGGGCGCCAAAGTGGTGGGCCCTACTATGTGTCTTTGAA	566
538	Qy	GACCGATGATCATGATCTCTGTGAAACAAATGTGGCGAGCGCTAAACATCGCCCTG	597
567	Db	GACCGCATGATCATGATCTCTGTGAAACAAATGTGGCGAGCGCTAAACATCGCCCTG	626
598	Qy	GTGAATGGAACCAACGGGAGCTGTCTGGGACAGAAGGCATTTCACATGTACTCTGAGAT	657
627	Db	GTGAATGGAACCAACGGGAGCTGTCTGGGACAGAAGGCATTTCACATGTACTCTGAGAT	686
658	Qy	GTATGACACCTAGTGAATTCCTTTAAAGAAATTCGCGGGGGTGCACTGGTGTGTGGCC	717
687	Db	GTATGACACCTAGTGAATTCCTTTAAAGAAATTCGCGGGGGTGCACTGGTGTGTGGCC	746
718	Qy	TCCTACGACGATCAGGGACCAAAATGAAAGATGAAGACGAGGAAATCTTCTCTGACTTC	777
747	Db	TCCTACGACGATCAGGGACCAAAATGAAAGATGAAGACGAGGAAATCTTCTCTGACTTC	806
778	Qy	GGGAGTTCTTACGCAAAACAACTCGGCTTCGGGACAGCTGGGTCTTCATAGAGCCAAA	837
807	Db	GGGAGTTCTTACGCAAAACAACTCGGCTTCGGGACAGCTGGGTCTTCATAGAGCCAAA	866
838	Qy	GACCTCAGGGGTAAAGGCCCTTTGACGAGTTCTTAAAGAACGCCAGACACAAACAAA	897
867	Db	GACCTCAGGGGTAAAGGCCCTTTGACGAGTTCTTAAAGAACGCCAGACACAAACAAA	926
898	Qy	TACGAGGATGGCCAGAGCTGCTGGAGATGAGGGCTGCATGCCCCCGAAGCATTATTAG	957
927	Db	TACGAGGATGGCCAGAGCTGCTGGAGATGAGGGCTGCATGCCCCCGAAGCATTATTAG	986
958	Qy	GGTGGCTGTGCTCTTCTCAGCAGGGGCTGAAGAAGCTCTCTGCTGACTTAGGAGTC	1017
987	Db	GGTGGCTGTGCTCTTCTCAGCAGGGGCTGAAGAAGCTCTCTGCTGACTTAGGAGTC	1046
1018	Qy	AGAGCCCGCAGGGGCTCAGGAGGAGGACGAGGGGGTCTGCTGGAGGTTGCTGCAGGT	1077
1047	Db	AGAGCCCGCAGGGGCTCAGGAGGAGGACGAGGGGGTCTGCTGGAGGTTGCTGCAGGT	1106
1078	Qy	CGTTGACGCTGTGTGCGGCTCTCTCCTCGGAAAACAGAACCTTCCACAGACATCCCT	1137
1107	Db	CGTTGACGCTGTGTGCGGCTCTCTCCTCGGAAAACAGAACCTTCCACAGACATCCCT	1166
1138	Qy	ACCCGGAGACACAGCCTCAGAGGGTCTTCTGGAACACAGCTGTCTGTGGAGAGATGGGG	1197
1167	Db	ACCCGGAGACACAGCCTCAGAGGGTCTTCTGGAACACAGCTGTCTGTGGAGAGATGGGG	1226
1198	Qy	TGCTTTTCGTACGGACTGTCTGACGGCTGGTCTGAGGAAGGACAACTGCCCACTTGA	1257
1227	Db	TGCTTTTCGTACGGACTGTCTGACGGCTGGTCTGAGGAAGGACAACTGCCCACTTGA	1286
1258	Qy	GCCCAATTAATTTATTTTTCGTGGTTTGAAAAA	1299
1287	Db	GCCCAATTAATTTATTTTTCGTGGTTTGAAAAA	1328

RESULT 5

RESULTS 3
UIS-10-160-503-459US-10-160-503-439
: Sequence 459. Application US/10160503

; sequence 459, Application US/10
: Publication No. US20040033559A1

; Publication No: US20
: GENERAL INFORMATION:

ADDITIONAL INFORMATION: Baker Kevin P

APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

APPLICANT: Desnoyers, Luc

APPLICANT: Filvaroff, Ellen

APPLICANT: Gao, Wei-Qiang

APPLICANT: Gao, Wei & Wang
APPLICANT: Gerrijsen, Mary E

APPLICANT: GERRITSEN, MARY E
APPLICANT: GORDARD, ANDREW

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

```

; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C446
; CURRENT APPLICATION NUMBER: US/10/160,503
; CURRENT FILING DATE: 2002-05-30
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-10-160-503-459

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Query Match	98.9%	Score 1285	DB 13	Length 1337
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Query Match	98.9%	Score 1283;
Best Local Similarity	99.7%	Pred No. 0:

Best Local Similarity	Pred. NO. 0;	Mismatches	Indels	Gaps
99.7%	0	1	3	1

QY	1	GGNCAGAGCCTGCGCAGGCGAGGACAGCTGGCCCACTGGCGGCCCGCCGCAACACACTCCGCTCT	60
DB	27	GGGCGAGAGCCTGCGCAGGCGAGGACAGCTGGCCCACTGGCGGCCCGCCGCAACACTCCGCTCT	86
QY	61	CACCTCTGGGCCCACTGCATCTAGAGGAGGCGCTGTGTGAGGCCACTACCCCTCCAGC	120
DB	87	CACCTCTGGGCCCACTGCATCTAGAGGAGGCGCTGTGTGAGGCCACTACCCCTCCAGC	146
QY	121	AACTGGGAGGTGGCACTGTCTAGAAAGCTGGCCCAGGGTGGTGGTCTGAGTGGGTCTAGGGACC	180
DB	147	AACTGGGAGGTGGCACTGTCTAGAAAGCTGGCCCAGGGTGGTGGTCTGAGTGGGTCTAGGGACC	206
QY	181	TACGGCACTCTGCTGGAACAACCTCGGCTTCTCCATCTGAAGCAGGGAAGTGGGAGCCTCGAG	240
DB	207	TACGGCACTCTGCTGGAACAACCTCGGCTTCTCCATCTGAAGCAGGGAAGTGGGAGCCTCGAG	266
QY	241	CCCTCGGCTGAAGCTGACCCCAAGCCACTTACCTCTGGACAGGATCAGAGTGTTCAGGT	300
DB	267	CCCTCGGCTGAAGCTGACCCCAAGCCACTTACCTCTGGACAGGATCAGAGTGTTCAGGT	326
QY	301	GTGCTTTCGCCCTCTCGGCCCTCATCTTTGCCCTAGTTCACGACATGGATGTTTATTGGAAGC	360
DB	327	GTGCTTTCGCCCTCTCGGCCCTCATCTTTGCCCTAGTTCACGACATGGATGTTTATTGGAAGC	386
QY	361	TACATGAGCTTTCAGCATGAAACCAATCCGCTGTGCCACGCTGGCTG---GCCTCGGCCACC	417
DB	387	TACATGAGCTTTCAGCATGAAACCAATCCGCTGTGCCACGCTGGCTG---GCCTCGGCCACC	446
QY	418	AAGGAGATCCAGGTTTAAAAAGTACAAAGTGTGGCTCATCAGCCCTGCCAGCCAACTAC	477
DB	444	AAGGAGATCCAGGTTTAAAAAGTACAAAGTGTGGCTCATCAGCCCTGCCAGCCAACTAC	506
QY	478	TTTTCGGTTTAAATCTGCAGTGGGCGCCCAACGTCGTGGGCGCTACTATGTCTTTGAA	537
DB	507	TTTTCGGTTTAAATCTGCAGTGGGCGCCCAACGTCGTGGGCGCTACTATGTCTTTGAA	566
QY	538	GACCGCATGATCATGAGTCTCTGTGAAAAAACAATGTGGGCAGAGGCTTAAACATGCCCTGT	597
DB	567	GACCGCATGATCATGAGTCTCTGTGAAAAAACAATGTGGGCAGAGGCTTAAACATGCCCTGT	626
QY	598	GTGAATGGAAACAACGGAGCTGTCTGGGACAGAGGCAATTTGACATGTACTCTCGAGAT	657
DB	627	GTGAATGGAAACAACGGAGCTGTCTGGGACAGAGGCAATTTGACATGTACTCTCGAGAT	686
QY	658	GTATTGCACTAGTGAATAATTCCTTAAAGAAAATTCGGGGGGGTGCACCTGGTGTGTGTGGCC	717
DB	687	GTATTGCACTAGTGAATAATTCCTTAAAGAAAATTCGGGGGGGTGCACCTGGTGTGTGTGGCC	746
QY	718	TCTACGACGATCCAGGGACCAAAATGAAACGATGAAAGCAGGAAACTCTTCTGACTTGT	777
DB	747	TCTACGACGATCCAGGGACCAAAATGAAACGATGAAAGCAGGAAACTCTTCTGACTTGT	806

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QY 778 GGGAGTTCTTACGCCAAACAACTGGGCTTCGGGACAGCTGGTCTTCATAGGAGCCAAA 837
Db 807 GGGAGTTCTTACGCCAAACAACTGGGCTTCGGGACAGCTGGTCTTCATAGGAGCCAAA 866
QY 838 GACCTCAGGGGTAAAGCCCTTTGAGCAGTTCTTAAAGAACAGCCCAAGACACAAACAAA 897
Db 867 GACCTCAGGGGTAAAGCCCTTTGAGCAGTTCTTAAAGAACAGCCCAAGACACAAACAAA 926
QY 898 TACGAGGATGCCAGAGCTGCTGGAGATGAGGAGCTGCATGCCGCCGAGCCCAATTTAG 957
Db 927 TACGAGGATGCCAGAGCTGCTGGAGATGAGGAGCTGCATGCCGCCGAGCCCAATTTAG 986
QY 958 GTGGGCTGTGGCTCTTCTCAGCCAGGAGGCTGGAAGAGCTTCCTGCTGACTTAGGAGTC 1017
Db 987 GTGGGCTGTGGCTCTTCTCAGCCAGGAGGCTGGAAGAGCTTCCTGCTGACTTAGGAGTC 1046
QY 1018 AGAGCCCGGAGGGGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1077
Db 1047 AGAGCCCGGAGGGGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1106
QY 1078 CTTTGACGCTGTGTGCGGCTCTCTCCTCCTCGGAAACAGAAACCTCCCAAGCAGCATCCT 1137
Db 1107 CTTTGACGCTGTGTGCGGCTCTCTCCTCCTCGGAAACAGAAACCTCCCAAGCAGCATCCT 1166
QY 1138 ACCGGAAGACAGGCTCAGAGGCTCCTTCTCGAAACAGGAGGAGGAGGAGGAGGAGGAG 1197
Db 1167 ACCGGAAGACAGGCTCAGAGGCTCCTTCTCGAAACAGGAGGAGGAGGAGGAGGAGGAG 1226
QY 1198 TGGCTTTCGTCAGGACTGTCAGGCTGTCCTCGGAAACAGGAGGAGGAGGAGGAGGAGGAG 1257
Db 1227 TGGCTTTCGTCAGGACTGTCAGGCTGTCCTCGGAAACAGGAGGAGGAGGAGGAGGAGGAG 1286
QY 1258 GCCCAATTAATTTATTTTGTGCTTTTGTGCTTTTGTGCTTTTGTGCTTTTGTGCTTTT 1299
Db 1287 GCCCAATTAATTTATTTTGTGCTTTTGTGCTTTTGTGCTTTTGTGCTTTTGTGCTTTT 1328
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RESULT 6

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US-10-143-118-459
; Sequence 459, Application US/10143118
; Publication No. US2004003835A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Collin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C228
; CURRENT APPLICATION NUMBER: US/10/143,118
; CURRENT FILING DATE: 2002-05-09
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-143-118-459
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Query Match

98.9%; Score 1285; DB 13; Length 1337;

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Best Local Similarity 99.7%; Pred. No. 0;
Matches 1298; Conservative 0; Mismatches 1; Indels 3; Gaps 1;
QY 1 GENCAGAGCTTCCGACGGGACGAGCAGCTGGCCCACTGGCGGCCCGCAACACTCCGTCT 60
Db 27 GGGCAGAGCCCTGGCCGACGGGACGAGCAGCTGGCCCACTGGCGGCCCGCAACACTCCGTCT 86
QY 61 CACCTCTTGGGCCCACTGTCATCTAGAGAGGGCGCTGTGTAGGAGGAGGAGGAGGAGGAGGAG 120
Db 87 CACCTCTTGGGCCCACTGTCATCTAGAGAGGGCGCTGTGTAGGAGGAGGAGGAGGAGGAGGAG 146
QY 121 AACTGGAGGTGGAGCTGTCTCAGAGCTGGCCCAAGGCTGGTGTGTGTGTGTGTGTGTGTGTGT 180
Db 147 AACTGGAGGTGGAGCTGTCTCAGAGCTGGCCCAAGGCTGGTGTGTGTGTGTGTGTGTGTGTGT 206
QY 181 TACGGACCTGTCTGGACCACTCGCTTCTCCATCGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 240
Db 207 TACGGACCTGTCTGGACCACTCGCTTCTCCATCGAGAGGAGGAGGAGGAGGAGGAGGAGGAG 266
QY 241 CCTCGGGTGGAGCTGACCCCAAGCCACCTTTCACCTGACAGGAGGAGGAGGAGGAGGAGGAGGAG 300
Db 267 CCTCGGGTGGAGCTGACCCCAAGCCACCTTTCACCTGACAGGAGGAGGAGGAGGAGGAGGAGGAG 326
QY 301 GTCTTTCGCTCTCTGGCCCTCATCTTTGCCATAGTCACGACATGGATGTGTGTGTGTGTGTGTGT 360
Db 327 GTCTTTCGCTCTCTGGCCCTCATCTTTGCCATAGTCACGACATGGATGTGTGTGTGTGTGTGTGT 386
QY 361 TACATCAGCTTTCAGCATGAACCACTCGCTTCTGCGACAGCTGTGTGTGTGTGTGTGTGTGTGTGT 417
Db 387 TACATCAGCTTTCAGCATGAACCACTCGCTTCTGCGACAGCTGTGTGTGTGTGTGTGTGTGTGTGT 446
QY 418 AAGGAGATCCAGTTTAAAGTACAAAGTACAAAGTACAAAGTACAAAGTACAAAGTACAAAGTAC 477
Db 447 AAGGAGATCCAGTTTAAAGTACAAAGTACAAAGTACAAAGTACAAAGTACAAAGTACAAAGTAC 506
QY 478 TTTGTGTTTAAATCTGAGTGGGGCCGCAACGTCGTGGGGCCCTACTATGTGTGTGTGTGTGTGT 537
Db 507 TTTGTGTTTAAATCTGAGTGGGGCCGCAACGTCGTGGGGCCCTACTATGTGTGTGTGTGTGTGTGT 566
QY 538 GACCCATGATCATGAGTCTGTGAAAACATGTGGGAGAGGCTTAAACATTCGCCCTG 597
Db 567 GACCCATGATCATGAGTCTGTGAAAACATGTGGGAGAGGCTTAAACATTCGCCCTG 626
QY 598 GTGAATGGAACCAACGAGGAGCTGTGTGTGACAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 657
Db 627 GTGAATGGAACCAACGAGGAGCTGTGTGTGACAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 686
QY 658 GTTATGCACTAGTGAATTCCTTAAAGAAATTCGCGGGGGTGCATGCTGTGTGTGTGTGTGTGT 717
Db 687 GTTATGCACTAGTGAATTCCTTAAAGAAATTCGCGGGGGTGCATGCTGTGTGTGTGTGTGTGTGT 746
QY 718 TCCTACGACGATCCAGGAGCAGAAATGACATGAAGCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 777
Db 747 TCCTACGACGATCCAGGAGCAGAAATGACATGAAGCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 806
QY 778 GGGAGTTCTTACGCAAAACAACTCGGCTTCGCGACAGCTGGTCTTCATAGGAGCCAAA 837
Db 807 GGGAGTTCTTACGCAAAACAACTCGGCTTCGCGACAGCTGGTCTTCATAGGAGCCAAA 866
QY 838 GACCTCAGGGGTAAAGCCCTTTGAGCAGTTCTTAAAGAACAGCCCAAGACACAAACAAA 897
Db 867 GACCTCAGGGGTAAAGCCCTTTGAGCAGTTCTTAAAGAACAGCCCAAGACACAAACAAA 926
QY 898 TACGAGGATGCCAGAGCTGCTGGAGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 957
Db 927 TACGAGGATGCCAGAGCTGCTGGAGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 986
QY 958 GTTGGCTGTGGCTCTTCTCAGCCAGGAGGCTGGAAGAGCTTCCTGCTGACTTAGGAGTC 1017
Db 987 GTTGGCTGTGGCTCTTCTCAGCCAGGAGGCTGGAAGAGCTTCCTGCTGACTTAGGAGTC 1046
QY 1018 AGAGCCCGGAGGGGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1077
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2 PRIOR APPLICATION NUMBER: 60/098821
3 PRIOR FILING DATE: 1998-09-02
4 PRIOR APPLICATION NUMBER: 60/098843
5 PRIOR FILING DATE: 1998-09-02
6 PRIOR APPLICATION NUMBER: 60/099536
7 PRIOR FILING DATE: 1998-09-09
8 PRIOR APPLICATION NUMBER: 60/099596
9 PRIOR FILING DATE: 1998-09-09
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13 PRIOR FILING DATE: 1998-09-09
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122 PRIOR APPLICATION NUMBER: 60/103314
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124 PRIOR APPLICATION NUMBER: 60/103315
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/	PRIOR APPLICATION NUMBER:	60/105693
/	PRIOR FILING DATE:	1998-10-26
/	PRIOR APPLICATION NUMBER:	60/105694
/	PRIOR FILING DATE:	1998-10-26
/	PRIOR APPLICATION NUMBER:	60/105807
/	PRIOR FILING DATE:	1998-10-27
/	PRIOR APPLICATION NUMBER:	60/105881
/	PRIOR FILING DATE:	1998-10-27
/	PRIOR APPLICATION NUMBER:	60/105882
/	PRIOR FILING DATE:	1998-10-27
/	PRIOR APPLICATION NUMBER:	60/106023
/	PRIOR FILING DATE:	1998-10-28

Query Match			
Best Local Similarity		98.9%; Score 1285; DB 13; Length 1337;	
Matches 1298; Conservative		0; Mismatches	1; Indels 3; Gaps 3

QY	1	GNCACAGCCTGCGCAGGGCCAGGCAGACTGGCCCCA	TGGCCCCCACTGGCGGCCCGCACACATCTCGGTCT	60
DB	27	GGGCAGAGCCTGGCAGGGCCAGGCAGCTGGCCCCA	TGGCCCCCACTGGCGGCCCGCACACATCTCGGTCT	86
QY	61	CACCCCTTGGGCCCACTGCATCTAGAGGAGGGCCG	TCGTGAGGCCCACTACCCTCTCCAGC	120
DB	87	CACCCCTTGGGCCCACTGCATCTAGAGGAGGGCCG	TCGTGAGGCCCACTACCCTCTCCAGC	146
QY	121	AACCTGGGAGGTGGACTGTGAGAAGCTGGCCCAG	GTGGTGTTGCTAGCTGGGTTCAGGAACC	180
DB	147	AACCTGGGAGGTGGGACTGTGAGAAGCTGGCCCAG	GTGGTGTTGCTAGCTGGGTTCAGGAACC	206
QY	181	TACGGCACCTGCTGGACCACTTCGCTTCACCTTCA	CTGGACAGGATGAGAGTGTCAAGT	300
DB	207	TACGGCACCTGCTGGACCACTTCGCTTCACCTTCA	CTGGACAGGATGAGAGTGTCAAGT	266
QY	241	CCCTCGGTGGAAGCTGACCCCAAGCCACCTTCACT	CGAACAGGATGAGAGTGTCAAGT	326
DB	267	CCCTCGGTGGAAGCTGACCCCAAGCCACCTTCACT	CGAACAGGATGAGAGTGTCAAGT	301
QY	301	GTGCTTTGGCCCTCTGGCCCTCATCTTTGCCATAG	TACAAGATGGANTTTTTATTCGAAGC	360
DB	327	GTGCTTTGGCCCTCTGGCCCTCATCTTTGCCATAG	TACAAGATGGANTTTTTATTCGAAGC	386
QY	361	TACATGAGCTTCAGCATGAAAACCACTCGCTCTGC	CAACAGCTGTGCCTCATCAAGCCCTTCGCCACCACT	417
DB	387	TACATGAGCTTCAGCATGAAAACCACTCGCTCTGC	CAACAGCTGTGCCTCATCAAGCCCTTCGCCACCACT	446
QY	418	AAGAGATCCAGGTTAAAGATGTAAGTGTGSCCTCAT	CAAGCCCTTCGCCACCACTTCGCCACCACT	477
DB	447	AAGAGATCCAGGTTAAAGATGTAAGTGTGSCCTCAT	CAAGCCCTTCGCCACCACTTCGCCACCACT	506
QY	478	TTTTCGGTTTAAAACTGTCAGTGGGGCCGCCAAC	GTGTCGTTGGGCTTACTATGTGCTTTGAA	537
DB	507	TTTTCGGTTTAAAACTGTCAGTGGGGCCGCCAAC	GTGTCGTTGGGCTTACTATGTGCTTTGAA	566
QY	538	GACCGCATGATCATGAGTCTGTGAAAAACAATGTG	GGCAGAGGCTTAAACATCGCCCTG	597
DB	567	GACCGCATGATCATGAGTCTGTGAAAAACAATGTG	GGCAGAGGCTTAAACATCGCCCTG	626
QY	598	GTGAATGGAAACCAAGGAGTGTCTGGGACAGAGG	CAATTGACATGCTCTGAGAT	657
DB	627	GTGAATGGAAACCAAGGAGTGTCTGGGACAGAGG	CAATTGACATGCTCTGAGAT	686
QY	658	GTATGACACTAGTGAATTCCTTAAGAAATTCG	GGGGGTGCACCTGGTCTGGTGCC	717

207 TAAGGACCTGCTGGACCACTCGCTTCTCCATCGAAGCAGGAGTGGAGCCTCGAG 266
 241 CCCTCGGCTGGAAGCTGACCCAGCACCCTTTCACCTGGACAGGATGAGTGTAGGT 300
 267 CCCTCGGCTGGAAGCTGACCCAGCACCCTTTCACCTGGACAGGATGAGTGTAGGT 326
 301 GTGCTTCGCTTCCTGGGCTTCATCTTTGCCATAGTCACGATCATGATGATTTATTCGAAGC 360
 327 GTGCTTCGCTTCCTGGGCTTCATCTTTGCCATAGTCACGATCATGATGATTTATTCGAAGC 386
 361 TACATGAGCTTCAGGATGAAAAAGTACAGTGTGGCTCATCAAGCCCTGCCCAGCACTAC 417
 387 TACATGAGCTTCAGGATGAAAAAGTACAGTGTGGCTCATCAAGCCCTGCCCAGCACTAC 446
 418 AAGGAGATCCAGGTAAAAAGTACAGTGTGGCTCATCAAGCCCTGCCCAGCACTAC 477
 447 AAGGAGATCCAGGTAAAAAGTACAGTGTGGCTCATCAAGCCCTGCCCAGCACTAC 506
 478 TTTGCGTTTAAATCTGCACTGGGCGCCCAACGCTGCTGGGCGCTACTATGTCTTTGAA 537
 507 TTTGCGTTTAAATCTGCACTGGGCGCCCAACGCTGCTGGGCGCTACTATGTCTTTGAA 566
 538 GACCGCATGATCATGATGCTGTGAAAAACAATGTGGGAGAGGCTTAAACATCGCCCTG 597
 567 GACCGCATGATCATGATGCTGTGAAAAACAATGTGGGAGAGGCTTAAACATCGCCCTG 626
 598 GTGATGGAACACCGGAGTGTGCGGACAGAGGCTTAAACATCGCCCTG 657
 627 GTGATGGAACACCGGAGTGTGCGGACAGAGGCTTAAACATCGCCCTG 686
 658 GTTATGCACTAGTGAATTCCTTAAAGAAATTCGCGGGGCTGCACTGTGCTGGTGGCC 717
 687 GTTATGCACTAGTGAATTCCTTAAAGAAATTCGCGGGGCTGCACTGTGCTGGTGGCC 746
 718 TCCTAGCAGATCCAGGACCAAAATGAAAGTAAAGCAGGAACTCTTCTGACTTG 777
 747 TCCTAGCAGATCCAGGACCAAAATGAAAGTAAAGCAGGAACTCTTCTGACTTG 806
 778 GGGAGTTCCTACGCAAAACAACTGGCTTCGGGACAGTGGTCTTCAAGAGCCAAA 837
 807 GGGAGTTCCTACGCAAAACAACTGGGCTTCGGGACAGTGGTCTTCAAGAGCCAAA 866
 838 GACCTCAGGGGTAAAGCCCTTTGAGCAGTGTCTTAAAGAAACAGCCACACAAACAA 897
 867 GACCTCAGGGGTAAAGCCCTTTGAGCAGTGTCTTAAAGAAACAGCCACACAAACAA 926
 898 TACAGAGGATGCCAGAGCTGTGAGATGAGAGGCTGCATCCCCCGAAGCCATTTAG 957
 927 TACAGAGGATGCCAGAGCTGTGAGATGAGAGGCTGCATCCCCCGAAGCCATTTAG 986
 958 GGTGGCTGTGGCTTCTCCTCAGCCAGGGGCTGGAAGAGCTCTGCTGACTTAGAGTC 1017
 987 GGTGGCTGTGGCTTCTCCTCAGCCAGGGGCTGGAAGAGCTCTGCTGACTTAGAGTC 1046
 1018 AGAGCCCGGACGGGCTGAGGAGGAGGAGCGGGGCTGCTGGTGAAGGCTGCTCAGGT 1077
 1047 AGAGCCCGGACGGGCTGAGGAGGAGGAGCGGGGCTGCTGGTGAAGGCTGCTCAGGT 1106
 1078 CTTTGCAGCTGTGTGGGCTCTCTCTCGGAAACAGAAACCTTCCACAGCACTCT 1137
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 1138 ACCCGGAAGACAGGCTCAGAGGCTCTTCTGGAACAGGCTGTGTGAGGAGATGGG 1197
 1167 ACCCGGAAGACAGGCTCAGAGGCTCTTCTGGAACAGGCTGTGTGAGGAGATGGG 1226
 1198 TGTCTTCTGAGGACTGTGACGGCTGTCTGAGGAGGAGCAAACTGCCAGACTTGA 1257
 1227 TGTCTTCTGAGGACTGTGACGGCTGTCTGAGGAGGAGCAAACTGCCAGACTTGA 1286
 1258 GCCCAATTAATTTTATTTTGTGCTGTTTGAATAAAAAA 1299
 1287 GCCCAATTAATTTTATTTTGTGCTGTTTGAATAAAAAA 1328

RESULT 14
 US-10-152-405-459
 ; Sequence 459, Application US/10152405
 ; Publication No. US20030211571A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: DePoige, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K
 ; APPLICANT: Wood, William
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; FILE REFERENCE: P33301383
 ; CURRENT APPLICATION NUMBER: US/10/152,405
 ; CURRENT FILING DATE: 2002-05-20
 ; Prior Application removed - See File Wrapper or Palm
 ; NUMBER OF SEQ ID NOS: 550
 ; SEQ ID NO 459
 ; LENGTH: 1337
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 US-10-152-405-459

Query Match 98.9%; Score 1285; DB 13; Length 1337;
 Best Local Similarity 99.7%; Pred. No. 0;
 Matches 1298; Conservative 1; Mismatches 1; Indels 3; Gaps 1;
 QY 1 GGNCHAGGCTCGCGAGGGCAGGAGAGCTGGCCCACTGGCGCGCCGCAACTCGGTCT 60
 Db 27 GGGCAGAGCTCGCGAGGGCAGGAGAGCTGGCCCACTGGCGCGCCGCAACTCGGTCT 86
 QY 61 CACCCCTCTGGGCGGCTGCTAGAGGAGGCGCTCTGTAGAGGCACTTACCCCTCCAGC 120
 Db 87 CACCCCTCTGGGCGGCTGCTAGAGGAGGCGCTCTGTAGAGGCACTTACCCCTCCAGC 146
 QY 121 AACTGGAGGTGGGACTGTGAGAGCTGGCCCGAGGGTGGTGTGAGTGGGTGAGGAGC 180
 Db 147 AACTGGAGGTGGGACTGTGAGAGCTGGCCCGAGGGTGGTGTGAGTGGGTGAGGAGC 206
 QY 181 TACGGCAGCTCTGGACCACTCGCTTCTCATGAGAGCGGAGGTGGAGGCTCGAG 240
 Db 207 TACGGCAGCTCTGGACCACTCGCTTCTCATGAGAGCGGAGGTGGAGGCTCGAG 266
 QY 241 CCCTCGGCTGGAAGCTGACCCCAAGCCCTTCACTGGACAGATGAGAGTGTGAGGT 300
 Db 267 CCCTCGGCTGGAAGCTGACCCCAAGCCCTTCACTGGACAGATGAGAGTGTGAGGT 326
 QY 301 GTGCTTGGCTTCTGGCCCTCATCTTTGCCATAGTCACGATCATGATGATTTTATTCGAAGC 360
 Db 327 GTGCTTGGCTTCTGGCCCTCATCTTTGCCATAGTCACGATCATGATGATTTTATTCGAAGC 386
 QY 361 TACATGAGCTTCAGGATGAAAAAGTACAGTGTGGCTCATCAAGCCCTGCCCAGCACTAC 417
 Db 387 TACATGAGCTTCAGGATGAAAAAGTACAGTGTGGCTCATCAAGCCCTGCCCAGCACTAC 446
 QY 418 AAGGAGATCCAGGTAAAAAGTACAGTGTGGCTCATCAAGCCCTGCCCAGCACTAC 477
 Db 447 AAGGAGATCCAGGTAAAAAGTACAGTGTGGCTCATCAAGCCCTGCCCAGCACTAC 506

QY	478	TTTGGCTTTAAATCTGAGTGGGGCGCCCAACGTCGTGGGCCCCCTACTATGTGCTTGAA	537
Db	507	TTTGGCTTTAAATCTGAGTGGGGCGCCCAACGTCGTGGGCCCCCTACTATGTGCTTGAA	566
QY	538	GACCCCATGATCATGAGTCTCTGTAAGAAACAATGTGGGCAGAGGCTTAAACATCGCCCTG	597
Db	567	GACCCCATGATCATGAGTCTCTGTAAGAAACAATGTGGGCAGAGGCTTAAACATCGCCCTG	626
QY	598	GTGAATGGAACACGAGGAGCTGTGCTGGACAGAAAGCCATTGACATGACTCTGAGAT	657
Db	627	GTGAATGGAACACGAGGAGCTGTGCTGGACAGAAAGCCATTGACATGACTCTGAGAT	686
QY	658	GTTATGCACCTAGTGAATTCCTTAAGAAATTCGCGGGGTGCACTGCTGTGGGCC	717
Db	687	GTTATGCACCTAGTGAATTCCTTAAGAAATTCGCGGGGTGCACTGCTGTGGGCC	746
QY	718	TCTACGACGATCCAGGACCAAAATGAACGATGAAGCAGGAAACTCTTCTCTGACTTG	777
Db	747	TCTACGACGATCCAGGACCAAAATGAACGATGAAGCAGGAAACTCTTCTCTGACTTG	806
QY	778	GGGAGTTCCTACGCAAAAACAATGGGCTTCGCGGACAGCTGGGTCTTCATAGAGCCAA	837
Db	807	GGGAGTTCCTACGCAAAAACAATGGGCTTCGCGGACAGCTGGGTCTTCATAGAGCCAA	866
QY	838	GACCTCAGGGGTAAAGCCCTTTGAGCAGTCTCTTAAGAACAGCCGACACAAACAA	897
Db	867	GACCTCAGGGGTAAAGCCCTTTGAGCAGTCTCTTAAGAACAGCCGACACAAACAA	926
QY	898	TACGAGGATGGCCAGAGCTGTGAGATGAGGGCTGCATGCCGCCGAGCCATTTAG	957
Db	927	TACGAGGATGGCCAGAGCTGTGAGATGAGGGCTGCATGCCGCCGAGCCATTTAG	986
QY	958	GFTGGCTGTGGCTTCTTCAGCAGCGGGCTGAAAGCTCTGCTGCTGACTTAGAGTC	1017
Db	987	GFTGGCTGTGGCTTCTTCAGCAGCGGGCTGAAAGCTCTGCTGCTGACTTAGAGTC	1046
QY	1018	AGAGCCCGCAGGGCTGAGGAGGAGCAGAGGGGTGCTGCTGGAAGTGTGCGAGGT	1077
Db	1047	AGAGCCCGCAGGGCTGAGGAGGAGCAGAGGGGTGCTGCTGGAAGTGTGCGAGGT	1106
QY	1078	CTTTGACGCTGTGTGCGGCTCTCTCTCTCGGAAACAGAACCCCTCCACAGACATCT	1137
Db	1107	CTTTGACGCTGTGTGCGGCTCTCTCTCTCGGAAACAGAACCCCTCCACAGACATCT	1166
QY	1138	ACCCGGAAGACAGCCTCAGAGGCTCTCTGAAACAGCCTGTCTGTGAGAGAGTGGG	1197
Db	1167	ACCCGGAAGACAGCCTCAGAGGCTCTCTGAAACAGCCTGTCTGTGAGAGAGTGGG	1226
QY	1198	TGCTTTGCTCAGGACTGCTGAGGCTGCTGCTGAGGAGGACAAACTGCCAGACTGA	1257
Db	1227	TGCTTTGCTCAGGACTGCTGAGGCTGCTGCTGAGGAGGACAAACTGCCAGACTGA	1286
QY	1258	GCCCAATTAATTTATTTTGTGCTGTTTTGAAAAAATAA 1299	
Db	1287	GCCCAATTAATTTATTTTGTGCTGTTTTGAAAAAATAA 1328	
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US-10-127-852A-459			
; Sequence 459, Application US/10127852A			
; Publication No. US20030203428A1			
; GENERAL INFORMATION:			
; APPLICANT: Baker, Kevin P.			
; APPLICANT: Beresini, Maureen			
; APPLICANT: DeForge, Laura			
; APPLICANT: Desnoyers, Luc			
; APPLICANT: Filvaroff, Ellen			
; APPLICANT: Gao, Wei-Qiang			
; APPLICANT: Gerritsen, Mary E.			
; APPLICANT: Goddard, Audrey			
; APPLICANT: Godowski, Paul J.			
; APPLICANT: Gurney, Austin L.			
; APPLICANT: Sherwood, Steven			

APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C88
CURRENT APPLICATION NUMBER: US/10/127,852A
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
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PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 459
LENGTH: 1337
TYPE: DNA
ORGANISM: Homo Sapien
US-10-127-852A-459

Query Match 98.9%; Score 1285; DB 13; Length 1337;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1298; Conservative 0; Mismatches 1; Indels 3; Gaps 1;

QY	1	GGNCAGAGCTGGCGCAGGCGAGGAGCAGCTGGGCCCACTGGCGCCCGCGCAACTCCGTCT	60
Db	27	GGCAGAGCTGGCGCAGGCGAGGAGCAGCTGGGCCCACTGGCGCCCGCGCAACTCCGTCT	86
QY	61	CACCTCTGGGCCCACTGCACTTAGAGAGGCGCGCTGTGAGGCGCACTACCCCTCCAGC	120
Db	87	CACCTCTGGGCCCACTGCACTTAGAGAGGCGCGCTGTGAGGCGCACTACCCCTCCAGC	146
QY	121	AACCTGGAGGTGGGACTGTGAGAGCTGGGCCCACTGGGTGGGTGAGTGGGTGAGGAGC	180
Db	147	AACCTGGAGGTGGGACTGTGAGAGCTGGGCCCACTGGGTGGGTGAGTGGGTGAGGAGC	206
QY	181	TACGGCACCCTGCTGGACCACTCGCCCTTCTCCATCGAAGCAGGAGAGTGGAGCTCGAG	240
Db	207	TACGGCACCCTGCTGGACCACTCGCCCTTCTCCATCGAAGCAGGAGAGTGGAGCTCGAG	266
QY	241	CCCTCGGGTGGAGCTGACCCCAAGCCACCTTCACTGACAGGATGAGAGTGTGAGT	300
Db	267	CCCTCGGGTGGAGCTGACCCCAAGCCACCTTCACTGACAGGATGAGAGTGTGAGT	326
QY	301	GTGCTTCGCTCTCGGCCCTCATCTTGGCCATAGTACGACATGAGTGTGATTCGAAGC	360
Db	327	GTGCTTCGCTCTCGGCCCTCATCTTGGCCATAGTACGACATGAGTGTGATTCGAAGC	386
QY	361	TACATGAGCTTCAGCATGAAACCAACCTGCTGCGACGCTGGGTG---GCTCGCCACC	417
Db	387	TACATGAGCTTCAGCATGAAACCAACCTGCTGCGACGCTGGGTGCGGAGCCTCGCCACC	446
QY	418	AAGAGATCCAGGTAAAGTACAGTGTGGCTCATCAGCCCTGCCAGCCCACTAC	477

Db 447 AAGGAGATCCAGGTAAAAAGTACAGTGTGGCTCATCAAGCCCTGCCAGCCAACTAC 506
QY 478 TTTGCGTTTAAATCTCAGTGGGCGCCAAAGTGTGGCCCTACTATGTGCTTTGAA 537
Db 507 TTTGCGTTTAAATCTCAGTGGGCGCCAAAGTGTGGCCCTACTATGTGCTTTGAA 566
QY 538 GACCGCATGATCATGATGCTCTGTGAAAAAACAATGTGGGCAGAGGCCTAAACATCGCCCTG 597
Db 567 GACCGCATGATCATGATGCTCTGTGAAAAAACAATGTGGGCAGAGGCCTAAACATCGCCCTG 626
QY 598 GTGAATGGACACCGGAGCTGTCTGGGACAGAGGCATTTGACATGTACTCTGGAGAT 657
Db 627 GTGAATGGACACCGGAGCTGTCTGGGACAGAGGCATTTGACATGTACTCTGGAGAT 686
QY 658 GTTATGCACCTAGTGAATTCCTTAAAGAAATTCGGGGGTGCATCTGGTGGCC 717
Db 687 GTTATGCACCTAGTGAATTCCTTAAAGAAATTCGGGGGTGCATCTGGTGGCC 746
QY 718 TCCTACGAGATCCAGGGACCAAAATGAACGATGAAGCAGGAAACTCTTCTCTGACTTG 777
Db 747 TCCTACGAGATCCAGGGACCAAAATGAACGATGAAGCAGGAAACTCTTCTCTGACTTG 806
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Db 807 GGGAGTTCCTACGCAAAACAATGGGCTTCGGGACAGCTGGGTCTTCATAGAGCCAAA 866
QY 838 GACCTCAGGGGTAAAAAGCCCTTTGAGCAGTCTTAAAGAACAGCCAGACACAAACAA 897
Db 867 GACCTCAGGGGTAAAGCCCTTTGAGCAGTCTTAAAGAACAGCCAGACACAAACAA 926
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Db 927 TACGAGGATGCGCAGAGCTGTCTGAGATGGAGGCTGCATGCCCGGAGCCATTTTAG 986
QY 958 GGTGGCTGTGGCTCTTCCTCAGCCAGGGCTGAAGAACTCTGCTGACTTAGGAGTC 1017
Db 987 GGTGGCTGTGGCTCTTCCTCAGCCAGGGCTGAAGAACTCTGCTGACTTAGGAGTC 1046
QY 1018 AGAGCCCGCAGGGCTGAGGAGGAGGAGCGGGGTGTGCTGGAAGGTGCTGCAGGT 1077
Db 1047 AGAGCCCGCAGGGCTGAGGAGGAGGAGCGGGGTGTGCTGGAAGGTGCTGCAGGT 1106
QY 1078 CTTTGCACGCTGTGTGCGCCCTCTCTCTCGGAAACAGAACCTCCACAGCAGATCCT 1137
Db 1107 CTTTGCACGCTGTGTGCGCCCTCTCTCTCGGAAACAGAACCTCCACAGCAGATCCT 1166
QY 1138 ACCCGAAGACAGGCTCAGAGGGTCTTCTGGAACCCAGCTGTGTGGAGAGATGGGG 1197
Db 1167 ACCCGAAGACAGGCTCAGAGGGTCTTCTGGAACCCAGCTGTGTGGAGAGATGGGG 1226
QY 1198 TGCTTTGCTCAGGAGCTGTGACGGCTGTGCTGAGGAGGACAACTGCCCAGACTTGA 1257
Db 1227 TGCTTTGCTCAGGAGCTGTGACGGCTGTGCTGAGGAGGACAACTGCCCAGACTTGA 1286
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Job time : 658.839 secs

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GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: August 28, 2004, 06:19:16 ; Search time 147.286 Seconds
(without alignments)
840.227 Million cell updates/sec

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Ygapop 10.0 , Ygapext 0.5
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Delop 6.0 , Delext 7.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:

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-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi
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-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued Patents NA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1168.5	99.1	1067	US-09-045-193-1	Sequence 1, Appli
2	716	60.7	548	US-08-459-667-6	Sequence 6, Appli
3	716	60.7	548	US-09-224-110-6	Sequence 6, Appli
4	716	60.7	548	PT-US95-07289-6	Sequence 6, Appli
5	618	52.4	2475	US-09-220-132-179	Sequence 179, App
6	354	30.0	876	US-09-167-513-1	Sequence 1, Appli
7	354	30.0	913	US-09-702-114A-1	Sequence 1, Appli
8	354	30.0	948	US-09-247-155-50	Sequence 50, Appli
9	354	30.0	948	US-09-599-360B-13	Sequence 13, Appli
10	354	30.0	957	US-09-866-028-90	Sequence 90, Appli
11	261	22.1	464	US-09-621-976-13369	Sequence 13369, A
12	255.5	21.7	705	US-09-167-513-8	Sequence 8, Appli

13	151.5	12.8	2353	4	US-09-620-312D-194	Sequence 194, App
14	151.5	12.8	2731	4	US-09-786-240-25	Sequence 25, Appl
15	92	7.8	1921	3	US-08-682-767-21	Sequence 21, Appl
16	89	7.5	2126	2	US-08-545-745-1	Sequence 1, Appli
17	85	7.2	1920	3	US-08-682-767-22	Sequence 22, Appl
18	80.5	6.8	411	4	US-09-833-381-690	Sequence 690, App
19	80	6.8	4133	4	US-09-688-188B-11	Sequence 11, Appl
20	80	6.8	4133	4	US-09-291-417D-11	Sequence 11, Appl
21	79	6.7	1095	4	US-09-107-532A-1390	Sequence 1390, Ap
22	78	6.6	2055	4	US-09-328-352-3069	Sequence 3069, Ap
23	77	6.5	1830121	4	US-09-557-884-1	Sequence 1, Appli
24	77	6.5	1830121	4	US-09-643-990A-1	Sequence 1, Appli
25	76	6.4	3567	2	US-09-166-203-1	Sequence 1, Appli
26	76	6.4	3567	3	US-09-377-309-1	Sequence 1, Appli
27	76	6.4	3805	4	US-09-023-655-1322	Sequence 1322, Ap
28	76	6.4	10993	4	US-08-961-527-15	Sequence 15, Appl
29	75.5	6.4	870	4	US-09-107-532A-926	Sequence 926, App
30	75.5	6.4	2589	4	US-09-328-352-295	Sequence 295, App
31	75.5	6.4	4183	3	US-08-996-083-2	Sequence 2, Appli
32	75.5	6.4	4183	3	US-09-429-516-2	Sequence 2, Appli
33	75.5	6.4	1664976	4	US-08-916-421B-1	Sequence 1, Appli
34	75.5	6.4	1830121	4	US-09-557-884-1	Sequence 1, Appli
35	75.5	6.4	1830121	4	US-09-643-990A-1	Sequence 1, Appli
36	75	6.4	1902	3	US-09-041-991A-7	Sequence 7, Appli
37	75	6.4	1902	4	US-09-608-533A-7	Sequence 7, Appli
38	74.5	6.3	2242	1	US-08-641-627A-37	Sequence 37, Appl
39	74.5	6.3	5977	3	US-09-024-020B-1	Sequence 1, Appli
40	74.5	6.3	5977	4	US-09-425-043-1	Sequence 1, Appli
41	74.5	6.3	6007	3	US-09-024-020B-2	Sequence 2, Appli
42	74.5	6.3	6007	4	US-09-425-043-2	Sequence 2, Appli
43	74.5	6.3	6556	3	US-09-024-020B-7	Sequence 7, Appli
44	74.5	6.3	6556	4	US-09-425-043-7	Sequence 7, Appli
45	74.5	6.3	6586	3	US-09-024-020B-43	Sequence 43, Appl

ALIGNMENTS

RESULT 1

US-09-045-193-1
; Sequence 1, Application US/09045193
; Patent No. 6245550
; GENERAL INFORMATION:
; APPLICANT: HENSLEY, PRESTON
; APPLICANT: ROSE, GEORGE
; APPLICANT: AURORA, RAJEV
; APPLICANT: ABDEL-MEGUID, SHERIN
; APPLICANT: YOUNG, PETER
; APPLICANT: ZHU, YUAN
; APPLICANT: MOONEY, JEFFREY
; APPLICANT: BERGSMAN, DEBK
; APPLICANT: GUERRERA, STEPHANIE
; APPLICANT: ELLIS, CATHERINE
; TITLE OF INVENTION: The Cytokine Family Member
; TITLE OF INVENTION: EP-7
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ratner & Prestia
; STREET: P.O. Box 980
; CITY: Valley Forge
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION NUMBER: US/09/045,193
; FILING DATE: 20-MAR-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:

220 ProLysProphe 223

QY 149 ProGlyThrLysMetAsnAspGluSerArgLysLeuPheSerAspLeuGlySerSerTyr 168
 Db 181 CCAGGGACCAAAATGAACGATGAAGCAGGAACTCTTCTCTGACTTGGGAGTTCCTAC 240
 QY 169 AlalysGlnLeuGlyPheArgAspSerTrpValPheIleGlyAlaLysAspLeuArgGly 188
 Db 241 GCAAAACAACACTGGGCTTCCGGGACAGCTGGGTCTTCATAGGAGCCAAAGACCTCAGGGGT 300
 QY 189 LysSerProPheGluGlnPheLeuLysAsnSerProAspThrAsnLysTyrGluGlyTrp 208
 Db 301 AAAAGCCCTTGGAGCAGTCTTAAAGAACAGCCAGCAGACACAAACAAATACAGGGATGG 360
 QY 209 ProGluLeuLeuGluMetGluGlyCysMetProProLysProPhe 223
 Db 361 CCAGAGCTGCTGGAGATGGAGGGCTGCATGCCCGGAGCCATT 405

RESULT 3

US-09-224-110-6
 ; Sequence 6, Application US/09224110
 ; Patent No. 6337195
 ; GENERAL INFORMATION:
 ; APPLICANT: Yu, Guo-Liang
 ; APPLICANT: Rosen, Craig
 ; TITLE OF INVENTION: Colon Specific Genes and Proteins
 ; NUMBER OF SEQUENCES: 24
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
 ; ADDRESSEE: Stewart & Olstein
 ; STREET: 6 Becker Farm Road
 ; CITY: Roseland
 ; STATE: NJ
 ; COUNTRY: USA
 ; ZIP: 07068-1739
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/224,110
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/469,667
 ; FILING DATE: 06-JUN-1995
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Ferraro, Gregory D.
 ; REGISTRATION NUMBER: 36,134
 ; REFERENCE/DOCKET NUMBER: 325800-435
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 201-994-1700
 ; TELEFAX: 201-994-1744
 ; INFORMATION FOR SEQ ID NO: 6:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 548 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 1..405
 ; FEATURE:
 ; NAME/KEY: mat.peptide
 ; LOCATION: 1..405
 ; US-09-224-110-6

Alignment Scores:
 Pred. No.: 4.97e-86
 Score: 716.00
 Length: 548
 Matches: 135
 Percent Similarity: 100.00%
 Best Local Similarity: 100.00%
 Query Match: 60.73%
 Conserved: 0
 Mismatches: 0
 Indels: 0

DB: 4 Gaps: 0
 US-09-052-855A-24 (1-223) x US-09-224-110-6 (1-548)
 QY 89 MetSerProValLysAsnAsnValGlyArgGlyLeuAsnIleAlaLeuValAsnGlyThr 108
 Db 1 ATGAGTCTCTGTGAAAAACAATGTGGGAGAGGCTTAAACATCGCCCTGGTGAATGGAACC 60
 QY 109 ThrGlyAlaValLeuGlyGlnLysAlaPheAspMetTyrSerGlyAspValMetHisLeu 128
 Db 61 ACGGAGCTGCTGTGGGACAGAGGCAATTTGACATGACTCTGGAGATGTTATGACCTA 120
 QY 129 ValLysPheLeuLysGluIleProGlyGlyAlaLeuValLeuValAlaSerTyrAspAsp 148
 Db 121 GTGAAATTCCTTAAAGAAATTCGGGGGGTGCCTGGTGGTGGCTCTCTGAGTGGGAGTTCCTAC 180
 QY 149 ProGlyThrLysMetAsnAspGluSerArgLysLeuPheSerAspLeuGlySerSerTyr 168
 Db 181 CCAGGGACCAAAATGAACGATGAAGCAGGAACTCTTCTCTGACTTGGGAGTTCCTAC 240
 QY 169 AlalysGlnLeuGlyPheArgAspSerTrpValPheIleGlyAlaLysAspLeuArgGly 188
 Db 241 GCAAAACAACACTGGGCTTCCGGGACAGCTGGGTCTTCATAGGAGCCAAAGACCTCAGGGGT 300
 QY 189 LysSerProPheGluGlnPheLeuLysAsnSerProAspThrAsnLysTyrGluGlyTrp 208
 Db 301 AAAAGCCCTTGGAGCAGTCTTAAAGAACAGCCAGCAGACACAAACAAATACAGGGATGG 360
 QY 209 ProGluLeuLeuGluMetGluGlyCysMetProProLysProPhe 223
 Db 361 CCAGAGCTGCTGGAGATGGAGGGCTGCATGCCCGGAGCCATT 405

RESULT 4

PCT-US95-07289-6
 ; Sequence 6, Application PC/TUS9507289
 ; GENERAL INFORMATION:
 ; APPLICANT: Yu, Guo-Liang
 ; APPLICANT: Rosen, Craig
 ; TITLE OF INVENTION: Colon Specific Genes and Proteins
 ; NUMBER OF SEQUENCES: 24
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
 ; ADDRESSEE: Stewart & Olstein
 ; STREET: 6 Becker Farm Road
 ; CITY: Roseland
 ; STATE: NJ
 ; COUNTRY: USA
 ; ZIP: 07068-1739
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US95/07289
 ; FILING DATE: 06-JUN-1995
 ; CLASSIFICATION:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Ferraro, Gregory D.
 ; REGISTRATION NUMBER: 36,134
 ; REFERENCE/DOCKET NUMBER: 325800-265
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 201-994-1700
 ; TELEFAX: 201-994-1744
 ; INFORMATION FOR SEQ ID NO: 6:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 548 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; FEATURE:
 ; NAME/KEY: CDS

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; LOCATION: 1..405
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 1..405
PCT-US95-07289-6

Alignment Scores:
Pred. No.: 4, 97e-86 Length: 548
Score: 716.00 Matches: 135
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 60.73% Indels: 0
DB: 5 Gaps: 0

US-09-052-855A-24 (1-223) x PCT-US95-07289-6 (1-548)
QY 89 MetSerProValLysAsnValGlyArgGlyLeuAsnIleAlaLeuValAsnGlyThr 108
Db 1 ATGAGTCCCTGTGAATAACATGTGGCAGAGGCTAAACATCGCCCTGGTGAATGAACC 60
QY 109 ThrGlyAlaValLeuGlyGlnLysAlaPheAspMetTyrSerGlyAspValMetHisLeu 128
Db 61 ACGGAGCTGTGCTGGGACAGAGGCAATTTGACATGCTACTCTGGAGATGTTATGCACCTA 120
QY 129 ValLysPheLeuLysGluIleProGlyGlyAlaLeuValLeuValAlaSerTyrAspAsp 148
Db 121 GTGAATTCCTTAAGAAATTCGGGGGGTGGCTGCTGCTGGTGGCCCTTACGACGAT 180
QY 149 ProGlyThrLysMetAsnAspGluSerArgLysLeuPheSerAspLeuGlySerTyr 168
Db 181 CAGAGGACCAATGAACATGAAGCAGAGCAACTCTCTCTGCTGGGAGTTCCTAC 240
QY 169 AlaLysGlnLeuGlyPheArgAspSerTrpValPheIleGlyAlaLysAspLeuArgGly 198
Db 241 GCAAAACAACTGGCTTCGGGACAGCTGGTCTTCATAGAGCCAAAGACCTCAGGGGT 300
QY 189 LysSerProPheGlnGlnPheLysAsnSerProAspThrAsnLysTyrGluGlyTrp 208
Db 301 AAAAGCCCTTTGAGCAGTTCTTAAGAACAGCCGACAGCAACAAATACGAGGATGG 360
QY 209 ProGluLeuLeuGluMetGluGlyCysMetProProLysProPhe 223
Db 361 CCAGAGCTGCTGGAGATGAGGGCTGCATGCCCCCGAAGCAATTT 405

RESULT 5
US-09-220-132-179
; Sequence 179, Application US/09220132
; Patent No. 6506607
; GENERAL INFORMATION:
; APPLICANT: Shyjan, Andrew W.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE IDENTIFICATION AND ASSESSMENT
; OF PROSTATE CANCER THERAPIES AND THE DIAGNOSIS OF PROSTATE CANC
; FILE REFERENCE: 07334-074001
; CURRENT APPLICATION NUMBER: US/09/220,132
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: US 60/079,303
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: US 60/068,821
; PRIOR FILING DATE: 1997-12-24
; NUMBER OF SEQ ID NOS: 191
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 179
; LENGTH: 2475
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-220-132-179

Alignment Scores:
Pred. No.: 6, 22e-72 Length: 2475
Score: 618.00 Matches: 116
Percent Similarity: 65.13% Conservative: 39
Best Local Similarity: 48.74% Mismatches: 53
Query Match: 52.42% Indels: 30

; LOCATION: 1..405
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 1..405
PCT-US95-07289-6

Alignment Scores:
Pred. No.: 4, 97e-86 Length: 548
Score: 716.00 Matches: 135
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 60.73% Indels: 0
DB: 5 Gaps: 0

US-09-052-855A-24 (1-223) x US-09-220-132-179 (1-2475)
QY 1 MetArgValSerGlyValLeuArgLeuLeuLeuLeuPheAlaIleValThrTrp 20
Db 168 ATGAGGCTAGCAGGTGCTGCAAAAGTTGGTGGTAGCTGTGGCAGTGTCTTTTACTGCAATTT 227
QY 21 -----MetPheIle 23
Db 228 TATGTTATTTCTCAAGTATTTCAATAAATAATGATGCAAGTTTAGGAAATCTATTGCA 287
QY 24 ArgSerTyrMetSerPheSerMetLysThrIleArgLeuProArgTrpLeuAlaSerPro 43
Db 288 AGATCAGCATTTGGACACAGCTGCACGTTCTACAAAGCCTCCACAGA-----332
QY 44 ThrLysGluIleGlnValLysLysTyrLysCysGlyLeuIleLysProCysProAlaAsn 63
Db 333 -----TATAAGTGTGGGATCTCAAAAGCTTGCCCTGGAAG 368
QY 64 TyrPheAlaPheLysIleCysSerGlyAlaAlaAsnValValGlyProThrMetCysPhe 83
Db 369 CATTTTGTCTTTTAAATGGCAAGTGGCAGCAGCAAGCTGTGGACCCCAAAATCTCCCTG 428
QY 84 GluAspArgMetIleMetSerProValLysAsnAsnValGlyArgGlyLeuAsnIleAla 103
Db 429 GAAGATAATGTTTAAATGAGTGTGTTAAGAATAATGTTGGAAGAGGGATCAATGTGCC 488
QY 104 LeuValAsnGlyThrThrGlyAlaValLeuGlyGlnLysAlaPheAspMetTyrSerGly 123
Db 489 TTGGCAAAATGGAAAAACAGAGAGATATTAGACACTAAATATTTTGACATGTGGGAGGA 548
QY 124 AspValMetHisLeuValLysPheLeuLysGluIleProGlyGlyAlaLeuValLeuVal 143
Db 549 GATGTGGCCACCATTTATTGAGTTCTGAAGGCCATACAAAGATGGAACAATAGTTTAAATG 608
QY 144 AlaSerTyrAspAspProGlyThrLysMetAsnAspGluSerArgLysLeuPheSerAsp 163
Db 609 GGAACATACATGATGAGCAGCAACAACTCAATGATGAGCAGCGCGGCTCATTTGTGAT 668
QY 164 LeuGlySerSerTyrAlaLysGlnLeuGlyPheArgAspSerTrpValPheIleGlyAla 183
Db 669 TTGGGAGCAGCATCTATTACTAATCTTGGTTTTAGAGACAACTGGGTCTTCTGTGGTGG 728
QY 184 LysAspLeuArgGlyLysSerProPheGluGlnPheLysAsnSerProAspThrAsn 203
Db 729 AAGGCATTAAGACAAAAGCCCTTTGAACAGCACATAAAGAACATAAGGATACAAAC 788
QY 204 LysTyrGluGlyTrpProGluLeuLeuGluMetGluGlyCysMetProProLys 221
Db 789 AAATATGAAGGATGGCTGAAGTTGTAGAAAATGGAAGGATGCATCCCCCAGAAG 842

RESULT 6
US-09-167-513-1
; Sequence 1, Application US/09167513
; Patent No. 6388064
; GENERAL INFORMATION:
; APPLICANT: Konklin, Darrell C.
; APPLICANT: Blumberg, Hal
; TITLE OF INVENTION: A HUMAN 2-19 PROTEIN HOMOLOGUE, Z219A
; FILE REFERENCE: 97-63
; CURRENT APPLICATION NUMBER: US/09/167,513
; CURRENT FILING DATE: 1998-10-06
; EARLIER APPLICATION NUMBER: US 60/061,712
; EARLIER FILING DATE: 1997-10-06
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 876
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
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; FILE REFERENCE: 129.22-US-UI
; CURRENT APPLICATION NUMBER: US/09/702,114A
; CURRENT FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: 60/162,417
; PRIOR FILING DATE: 1999-10-28
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 913
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-09-702-114A-1

Alignment Scores:
Pred. No.:      2,06e-37      Length:      913
Score:          354.00      Matches:    75
Percent Similarity: 53.68%    Conservative: 49
Best Local Similarity: 32.4%    Mismatches: 85
Query Match:      30.03%    Indels:    22
DB:                4      Gaps:        5

US-09-052-855A-24 (1-223) x US-09-702-114A-1 (1-913)
QY      5 GlyValLeuArgLeuLeuAlaLeullePheAlaIleValThrThrTrpMetPheIleArg 24
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      77 GGCGTGTCTCAAGGTGGTGTGTGGTGTCTTCGCTCTCTTGTGTGGCTGG-----TATTGG 130

QY      25 SerTyrMet-----SerPheSerMet 31
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      131 GGGTACCTGTCTCGCAGAGCTCATTCAGATGCACCCCTGTCCAGTGTCTCCCTATAGCATC 190

QY      32 LysThrIleArgLeuProArgTrpLeuIlaSerProThrLysGluIleGlnValLysLys 51
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      191 CGCAGCATCGGGAGAGCCCTGTCTCTCAAGCTCCAGCTCCGCC-----AAAGG 238

QY      52 TyrLysCysGlyLeuIleLysProCysProAlaAsnTyrPheAlaPheLysIleCysSer 71
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      239 CAAAAATGTGACCACTGCAGTCCCTGCCCATCTGACACCTATGCCTACAGGTTACTCAGC 298

QY      72 GlyAlaAlaAsnValValGlyProThrMetCysPheGluAspArgMetIleMetSerPro 91
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      299 GGAGGTGGCAGAGCAAGTACGCCAAATCTGCTTTGAGGATAACCTACTTATGGAGNA 358

QY      92 ValLysAsnAsnValGlyArgGlyLeuAsnIleAlaLeuValAsnGlyThrThrGlyAla 111
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      359 CAGCTGGGAATGTTGCCAGAGGAATAAACAATTGCCATTGTCAACTATGTAACTGGGAAT 418

QY      112 ValLeuGlyGlnLysAlaPheAspMetTyrSerGlyAspValMet---HisLeuValLys 130
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      419 GTGACACCAACACGATGTTTTTGATATGTATGATGAAGCGGATAACTCTGGACCGCATGACAAG 478

QY      131 PheLeuLysGlnIleProGlyGlyAlaLeuValLeuValAlaSerTyrAspAspProGly 150
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      479 TTTTATTCAGAGTGTGTCTCCAAAATCCCTGTCTTCATGGTGACCTATGACGACGGAAGC 538

QY      151 ThrLysMetAsnAspGluSerArgLysLeuPheSerAspLeuGlySerSerTyrAlaLys 170
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      539 ACAAGACTGAATACGATGTCAGAAATGCGCATAGAACCACTTGAAGTAAGAAATACAGG 598

QY      171 GlnLeuGlyPheArgAspSerTrpValPheIleGlyAlaLysAspLeuArgGlyLysSer 190
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      599 AACATGAAATTCAGGCTAGCTGGGTATTATTATGACGACAAAGCCTTGGAACTCCCTTCC 658

QY      191 ProPheGluGlnPheLeuLysAsnSerProAsp-----ThrAsnLysTyrGluGlyTrp 208
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      659 GAAATTCAGAGGAAAGATCAACCACTCTGTATGCTAAGAACCAACAGATATTCTGGCTGG 718

QY      209 ProGluLeuLeuGluMetGluGlyCysMetPro 219
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      719 CTTGCAGATCCAGATAGAAGGCTGCATACC 751

RESULT 8
US-09-247-155-50

```

	Sequence 50, Application US/09247155A	
	Patent No. 6312922	
	GENERAL INFORMATION:	
	APPLICANT: Dumas Milne Edwards, Jean-Baptiste	
	APPLICANT: Duclert, Aymeric	
	APPLICANT: Bougueleret, Lydie	
	TITLE OF INVENTION: Complementary DNAs	
	FILE REFERENCE: GENSET.021A	
	CURRENT APPLICATION NUMBER: US/09/247,155A	
	CURRENT FILING DATE: 1999-02-09	
	EARLIER APPLICATION NUMBER: 60/074,121	
	EARLIER FILING DATE: 1998-02-09	
	EARLIER APPLICATION NUMBER: 60/081,563	
	EARLIER FILING DATE: 1998-04-13	
	EARLIER APPLICATION NUMBER: 60/096,116	
	EARLIER FILING DATE: 1998-08-10	
	EARLIER APPLICATION NUMBER: 60/099,273	
	EARLIER FILING DATE: 1998-10-04	
	NUMBER OF SEQ ID NOS: 182	
	SOFTWARE: Patent.pm	
	SEQ ID NO 50	
	LENGTH: 948	
	TYPE: DNA	
	ORGANISM: Homo sapiens	
	FEATURE:	
	NAME/KEY: CDS	
	LOCATION: 80..784	
	FEATURE:	
	NAME/KEY: sig_peptide	
	LOCATION: 80..139	
	OTHER INFORMATION: Von Heijne matrix	
	OTHER INFORMATION: score 4	
	OTHER INFORMATION: seq LLKVVFVFSALC/AW	
	FEATURE:	
	NAME/KEY: polyA_signal	
	LOCATION: 910..915	
	FEATURE:	
	NAME/KEY: polyA_site	
	LOCATION: 933..948	
	US-09-247-155-50	
	Alignment Scores:	
Pred. No.:	2.18e-37	Length: 948
Score:	354.00	Matches: 75
Percent Similarity:	53.68%	Conservative: 49
Best Local Similarity:	32.47%	Mismatches: 85
Query Match:	30.03%	Indels: 22
Gaps:	4	Gaps: 5
DB:		
	US-09-052-855A-24 (1-223) x US-09-247-155-50 (1-948)	
Qy	5 GlyValLeuArgLeuAlaLeuPheAlaIleValThrTrpMetPheIleArg 24 : : : : : : : : : :	
Db	98 GGCTGTCAAGTGGTGTTGCGTCCTCCCTCTGTTGTCCTGG-----TATTCG 151 : : : : : : : : : :	
Qy	25 SerTyrrMet-----SerPheSerMet 31 : : : : : : : : : :	
Db	152 GGTACCTGCTGCAGACTCATTCAGATGCCACCCTGTCAGTGTGCTGCATTAGCATC 211 : : : : : : : : : :	
Qy	32 LysThrIleArgLeuProArgTrpLeuAlaSerProThryllysGlulleGlnVallylsLys 51 : : : : : : : : : :	
Db	212 CGCAGCATCGGGAGAGAGCCCTGCTCTCAAAGTCCAGTCCCC-----AAAAGG 259 : : : : : : : : : :	
Qy	52 TyrlYsCySgLYLeulleLyPrOCySProAlaAsnTyrrPheAlaPhelYsIlleCySSer 71 : : : : : : : : : :	
Db	260 CAATAATGTGACCTGACTGCTCCCTGCATCTGACACCTATGCTACAGTTACTCAGC 319 : : : : : : : : : :	
Qy	72 GlyAlaAlaAsnValIcglyProThrMetCysPheGluAspArgMetIleMetSerPro 91 : : : : : : : : : :	
Db	320 GGAGGTGCGAGAAGCAAGTAGCACCAAAATCTGCTTTTGAGGTAACCTACTTATGGGGA 379 : : : : : : : : : :	
Qy	92 ValLysAsnAnValGIcYArgGLYLLeuAsnIleAlaLeuValIenGlyThrThrGlyAla 111 : : : : : : : : : :	


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Percent Similarity:      52.50%      Conservative:      26
Best Local Similarity:  30.83%      Mismatches:      52
Query Match:           12.85%      Indels:          5
DB:                    4           Gaps:            3

US-09-052-855A-24 (1-223) x US-09-786-240-25 (1-2731)

QY      97 GlyArgGlyLeuAsnIleAlaLeuValAsnGlyThrGlyAlaValLeuGlyGlnLys 116
Db      528 GCGCGGGCATCCATGTCAITGTCTCTCAACCAGGCCACGGGCCAGTGATGGCAAAAGT 587
QY      117 AlaPheAspMetTyrSer---GlyAspValMetHisLeuValLysPheLeuLysGluIle 135
Db      588 GTGTTTGACAGCTACTCACTCATGAGGATGAGGCCATGGTGCTATTCTCAACATGGTA 647
QY      136 ProGlyGlyAlaLeuValLeuValAlaSerTyrAspAspProGlyThrLysMetAsnAsp 155
Db      648 GCGCGCGCGCGAGTGCTCATCTGCACCTGTCAAGGATGAGGGCTCCTTCCACCTCAAGGAC 707
QY      156 GluSerArgLysLeuPheSerAspLeuGlySerSerTyrAlaLysGlnLeuGlyPheArg 175
Db      708 ACAGCCAAAGGCTCTGCTGAGGAGCCTTGGGCAGCCAGGCTGGCCCTCGCTGGCTGGAGG 767
QY      176 AspSerTrpValPheIleGlyAlaLysAspLeuArgGlyLysSerProPhecluglnPhe 195
Db      768 GACACATGGGCTTCGTGGGACGAAAA-----GGAGGTCTGTCTTCGGGGAGAAA 818
QY      196 LeuLysAsnSerProAspThrAsnLysTyrGluGlyTrpProGluLeuLeuMetGlu 215
Db      819 CATCTAAGTCACCTGCCTCTCTCTCTGG--GGGGACCCAGTCTCTGAGACACAGT 875

RESULT 15
US-08-682-767-21
; Sequence 21, Application US/08682767
; Patent No. 6291741
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: METHODS FOR THE PRODUCTION OF MODIFIED PLANTS
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of The Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (BPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/682,767
; FILING DATE: 30-July-96
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 51735
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-278-0400
; TELEFAX: 212-391-0526
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1921 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; US-08-682-767-21

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Alignment Scores:

Pred. No.: 0.0571 Length: 1921
Score: 92.00 Matches: 62
Percent Similarity: 39.91% Conservative: 31
Best Local Similarity: 26.61% Mismatches: 71
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US-09-052-855A-24 (1-223) x US-08-682-767-21 (1-1921)

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QY	100	-----	-----	LeuAsnIleAl	103	
DB	850	TCTCATGGGATTTCGCCAAGAAGTGCAAGAAACTCAAACTGTTCTTGCAAGTATCCACAGC	909			
QY	103	aLeuValAsnGlyThrThrGlyAlaValLeuGlyGlnLysAlaPheAspMetTyrSerGl	123			
DB	910	TTATGTGAATGGACAAAGACAAAGAGGATCATGGAGAGCCATTTTCTATG	963			
QY	123	yAspValMetHisLeuValLysPheLeu	-----	Ly	133	
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QY	153	tAsnAspGluSerArgLysLeuPheSerAspLeuGlySerSerTyrAlaLysGlnLeuGl	173			
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QY	173	yPheArgAspSerTyrValPheIleGlyAla	-----	LysAspLeuAr	187	
DB	1126	ATGGCAAGACACTATGTTTTCACCAAGCAATGGGTGAGATGATGATCAATAGCACTCG	1185			
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Job time : 157.286 secs

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GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: August 28, 2004, 09:09:25 ; Search time 967.122 Seconds
        (without alignments)
        1134.788 Million cell updates/sec

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               Ygapop 10.0 , Ygapext 0.5
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               Delop 6.0 , Delext 7.0

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Total number of hits satisfying chosen parameters: 6474540

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

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-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=blosum62
-TRANS=human40.cdi -LIST=45 -MODS=LOCAL -OUTFWT=ptc -NORM=ext -HEAPSIZ=500 -MINLEN=100
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-LONGLOG -DEV_TIMEOUT=120 -WARN_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5
-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications NA.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	DB ID	Description
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1	1179	100.0	1221	17	US-10-764-100-1	Sequence 1, Appli
2	1168.5	99.1	1212	15	US-10-099-926-1974	Sequence 1974, Ap
3	1168.5	99.1	1337	10	US-09-946-374-414	Sequence 414, App
4	1168.5	99.1	1337	12	US-10-015-395A-414	Sequence 414, App
5	1168.5	99.1	1337	13	US-10-147-493-459	Sequence 459, App
6	1168.5	99.1	1337	13	US-10-145-127-459	Sequence 459, App
7	1168.5	99.1	1337	13	US-10-160-503-459	Sequence 459, App
8	1168.5	99.1	1337	13	US-10-143-118-459	Sequence 459, App
9	1168.5	99.1	1337	13	US-10-144-993-459	Sequence 459, App
10	1168.5	99.1	1337	13	US-10-158-787-459	Sequence 459, App
11	1168.5	99.1	1337	13	US-10-140-024-459	Sequence 459, App
12	1168.5	99.1	1337	13	US-10-140-808-459	Sequence 459, App
13	1168.5	99.1	1337	13	US-10-006-485A-414	Sequence 414, App
14	1168.5	99.1	1337	13	US-10-013-907A-414	Sequence 414, App
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36	1168.5	99.1	1337	15	US-10-140-002-459	Sequence 459, App
37	1168.5	99.1	1337	15	US-10-006-856A-414	Sequence 414, App
38	1168.5	99.1	1337	15	US-10-142-419-459	Sequence 414, App
39	1168.5	99.1	1337	15	US-10-123-262-459	Sequence 459, App
40	1168.5	99.1	1337	15	US-10-142-423-459	Sequence 459, App
41	1168.5	99.1	1337	15	US-10-006-818A-414	Sequence 414, App
42	1168.5	99.1	1337	15	US-10-121-050-459	Sequence 459, App
43	1168.5	99.1	1337	15	US-10-141-755-459	Sequence 459, App
44	1168.5	99.1	1337	15		
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ALIGNMENTS

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RESULT 1
US-10-764-100-1
; Sequence 1, Application US/10764100
; Publication No. US20040137575A1
; GENERAL INFORMATION:
; APPLICANT: Conklin, Darrell C.
; APPLICANT: Blumberg, Hal
; APPLICANT: Deisher, Theresa A.
; TITLE OF INVENTION: A HUMAN 2-19 PROTEIN HOMOLOGUE, Z219C
; FILE REFERENCE: 97-64
; CURRENT APPLICATION NUMBER: US/10764,100
; PRIOR FILING DATE: 2004-01-23
; PRIOR APPLICATION NUMBER: EARLIER FILING DATE: 1998-11-04
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-11-19
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 1221
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:

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Publication No. US20030073129A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Baton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C1
CURRENT APPLICATION NUMBER: US/09/946,374
CURRENT FILING DATE: 2001-09-04
PRIOR APPLICATION NUMBER: 60/098716
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098723
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 ; PRIOR FILING DATE: 1998-10-26
 ; PRIOR APPLICATION NUMBER: 60/105807

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 Best Local Similarity: 99.55%
 Query Match: 99.11%
 DB: 10

US-09-052-855a-24 (1-223) x US-09-946-374-414 (1-1337)

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 QY 41 --AlaSerProThrLysGluIleGlnValLysLysTyrLysCysGlyLeuIleLysPro 59

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 QY 60 CysProAlaAsnTyrPheAlaPheLysIleCysSerGlyAlaAlaAsnValValGlyPro 79
 Db 492 TGCCAGCCAACTACTTTGCGTTTAAATCTGAGTGGGGCCGCCAACGTCGTGGGCGCT 551
 QY 80 ThrMetCysPheGluAspArgMetIleMetSerProValLysAsnAsnValGlyArgGly 99
 Db 552 ACTATGCTCTTGAAGACCGCATGATGAGTCTGTGMAAAACAATGTGGGACAGAGC 611
 QY 100 LeuAsnIleAlaLeuValAsnGlyThrThrGlyAlaValLeuGlyGlnLysAlaPheAsp 119
 Db 612 CTAAACATCGCCCTGGTGAATGGAACACCGGAGCTGTCTGGGACAGAGCATTTGAC 671
 QY 120 MetTyrSerGlyAspValMetHisLeuValLysPheLeuLysGluIleProGlyAla 139
 Db 672 ATGTACTCTGGAGATGTTATGACCTAGTAAATTCCTTAAAGAAATTCGGGGGGTGCA 731
 QY 140 LeuValLeuValAlaSerTyrAspProGlyThrLysMetAsnAspGluSerArgLys 159
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 QY 220 ProLysProPhe 223
 Db 972 CCGAAGCCATTT 983

RESULT 4
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 ; Sequence 414, Application US/10015395A
 ; Publication No. US20040073015A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan I.
 ; APPLICANT: Ferrara, Sherman
 ; APPLICANT: Fong, Wei-Qiang
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth J.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; TITLE OF INVENTION: Acids Encoding the Same
 ; FILE REFERENCE: P2830F1C57
 ; CURRENT APPLICATION NUMBER: US/10/015,395A
 ; CURRENT FILING DATE: 2001-12-12
 ; Prior application removed - See file Wrapper or Palm
 ; NUMBER OF SEQ ID NOS: 477
 ; SEQ ID NO 414
 ; LENGTH: 1337
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-015-395A-414
 Alignment Scores:
 Pred. No.: 9.64e-154 Length: 1337

Score: 1168.50 Matches: 223
Percent Similarity: 99.55% Conservative: 0
Best Local Similarity: 99.55% Mismatches: 0
Query Match: 99.11% Indels: 1
DB: 12 Gaps: 1

US-09-052-855A-24 (1-223) x US-10-015-395A-414 (1-1337)

```
QY 1 MetArgValSerGlyValLeuArgLeuLeuAlaLeuPheAlaLeuValThrTrp 20
DB 312 ATGAGAGTGTGAGTGTGCTTCCCTCCCTGCGCCCTCATCTTTGCCATAGTACGACATGG 371
QY 21 MetPheLeuArgSerTyrMetSerPheSerMetLysThrLeuArgLeuProArgTrpLeu 40
DB 372 ATGTTTATTCGAGCTACATGAGCTTCCGATGAAACCATTCGTCTGCCACCGCTGGCTG 431
QY 41 ---AlaSerProThrLysGluLeuGlnValLysTyrLysCysGlyLeuLeuLysPro 59
DB 432 GCAGCCTCGCCACCAGGAGATCCAGGTTAAAAAGTACAAAGTGTGCGCTCATCAAGCCC 491
QY 60 CysProAlaAsnTyrPheAlaPheLysIleCysSerGlyAlaAlaAsnValValGlyPro 79
DB 492 TGCCCGAGCCAACTACTTTGGTTTAAATCTGCAGTGGGCGCCCAACGCTCGTGGGCGCT 551
QY 80 ThrMetCysPheGluAspArgMetIleMetSerProValLysAsnValGlyArgGly 99
DB 552 ACTATGTGCTTTGAAGCCGATCATGAGTCCCTGTGAAAAACAATGTGGCAGAGGC 611
QY 100 LeuAsnIleAlaLeuValAsnGlyThrGlyAlaValLeuGlyGlnLysAlaPheAsp 119
DB 612 CTAAACATCGCCCTCGTGAATGAACACCGGAGCTGTCTGGGACAGAGGCAATTTGAC 671
QY 120 MetTyrSerGlyAspValMetHisLeuValLysPheLeuLysGluLeuProGlyAla 139
DB 672 ATGTACTCTGGAGATGTTATGACCTAGTCAATTCCTTTAAAGAAATTCGGGGGGTGCA 731
QY 140 LeuValLeuValAlaSerTyrAspProGlyThrLysMetAsnAspGluSerArgLys 159
DB 732 CTGGTGTCTGGCTCTCTACAGCATCCAGGACCAAAATGAACATGAAGCAGGAAA 791
QY 160 LeuPheSerAspLeuGlySerTyrAlaLysGlnLeuGlyPheArgAspSerTrpVal 179
DB 792 CTCCTCTGACTTGGGAGTTCCTACGCAAAACAACTGGGCTTCGGGACAGCTGGGTC 851
QY 180 PheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLysAsnSer 199
DB 852 TTCATAGGAGCCAAAGACCTCAGGGGGTAAAGCCCTTTGAGCAGGTCTCTAAAGAACAGC 911
QY 200 ProAspThrAsnLysTyrGluGlyTrpProGluLeuLeuGluMetGluGlyCysMetPro 219
DB 912 CCAGACACAAACAATACGAGGATGGCCAGAGCTGCTGGAGATGGAGGGCTGCAATGCC 971
QY 220 ProLysProPhe 223
DB 972 CCGAAGCCATTT 983
```

RESULT 5

US-10-147-493-459
; Sequence 459, Application US/10147493
; Publication No. US20040029217A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: F3330R1C345
; CURRENT APPLICATION NUMBER: US/10/147,493
; CURRENT FILING DATE: 2002-05-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-10-147-493-459

Alignment Scores:
Pred. No.: 9.64e-154 Length: 1337
Score: 1168.50 Matches: 223
Percent Similarity: 99.55% Conservative: 0
Best Local Similarity: 99.55% Mismatches: 0
Query Match: 99.11% Indels: 1
DB: 13 Gaps: 1

US-09-052-855A-24 (1-223) x US-10-147-493-459 (1-1337)

```
QY 1 MetArgValSerGlyValLeuArgLeuLeuAlaLeuPheAlaLeuValThrTrp 20
DB 312 ATGAGAGTGTGAGTGTGCTTCCCTCCCTGCGCCCTCATCTTTGCCATAGTACGACATGG 371
QY 21 MetPheLeuArgSerTyrMetSerPheSerMetLysThrLeuArgLeuProArgTrpLeu 40
DB 372 ATGTTTATTCGAGCTACATGAGCTTCCGATGAAACCATTCGTCTGCCACCGCTGGCTG 431
QY 41 ---AlaSerProThrLysGluLeuGlnValLysLysTyrLysCysGlyLeuLeuLysPro 59
DB 432 GCAGCCTCGCCACCAGGAGATCCAGGTTAAAAAGTACAAAGTGTGCGCTCATCAAGCCC 491
QY 60 CysProAlaAsnTyrPheAlaPheLysIleCysSerGlyAlaAlaAsnValValGlyPro 79
DB 492 TGCCCGAGCCAACTACTTTGGTTTAAATCTGCAGTGGGCGCCCAACGCTCGTGGGCGCT 551
QY 80 ThrMetCysPheGluAspArgMetIleMetSerProValLysAsnValGlyArgGly 99
DB 552 ACTATGTGCTTTGAAGCCGATCATGAGTCCCTGTGAAAAACAATGTGGCAGAGGC 611
QY 100 LeuAsnIleAlaLeuValAsnGlyThrGlyAlaValLeuGlyGlnLysAlaPheAsp 119
DB 612 CTAAACATCGCCCTCGTGAATGAACACCGGAGCTGTCTGGGACAGAGGCAATTTGAC 671
QY 120 MetTyrSerGlyAspValMetHisLeuValLysPheLeuLysGluLeuProGlyAla 139
DB 672 ATGTACTCTGGAGATGTTATGACCTAGTCAATTCCTTTAAAGAAATTCGGGGGGTGCA 731
QY 140 LeuValLeuValAlaSerTyrAspProGlyThrLysMetAsnAspGluSerArgLys 159
DB 732 CTGGTGTCTGGCTCTCTACAGCATCCAGGACCAAAATGAACATGAAGCAGGAAA 791
QY 160 LeuPheSerAspLeuGlySerTyrAlaLysGlnLeuGlyPheArgAspSerTrpVal 179
DB 792 CTCCTCTGACTTGGGAGTTCCTACGCAAAACAACTGGGCTTCGGGACAGCTGGGTC 851
QY 180 PheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLysAsnSer 199
DB 852 TTCATAGGAGCCAAAGACCTCAGGGGGTAAAGCCCTTTGAGCAGGTCTCTAAAGAACAGC 911
QY 200 ProAspThrAsnLysTyrGluGlyTrpProGluLeuLeuGluMetGluGlyCysMetPro 219
DB 912 CCAGACACAAACAATACGAGGATGGCCAGAGCTGCTGGAGATGGAGGGCTGCAATGCC 971
QY 220 ProLysProPhe 223
```

```
Db          972 CCGAAGCCATT 983
|||||
RESULT 6
US-10-145-127-459
; Sequence 459, Application US/10145127
; Publication No. US20040033558A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C252
; CURRENT APPLICATION NUMBER: US/10/145,127
; CURRENT FILING DATE: 2002-05-13
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-145-127-459

Alignment Scores:
Pred. No.:          9.64e-154          Length:          1337
Score:              1168.50           Matches:          223
Percent Similarity: 99.55%             Conservative:      0
Best Local Similarity: 99.55%           Mismatches:       0
Query Match:        99.11%             Indels:           1
DB:                 13                 Gaps:             1

US-09-052-855A-24 (1-223) x US-10-145-127-459 (1-1337)
QY      1 MetArgValSerGlyValLeuArgLeuAlaLeuIlePheAlaIleValThrTyr 20
Db      312 ATGAGAGTGCAGGTGTGCTTCGGCTCTCGCCCTCACTTTGGCATAGTCACGACATGG 371
QY      21 MetPheIleArgSerTyrMetSerPheSerMetIleValThrLeuProArgTyrLeu 40
Db      372 ATGTTTATTGGAAGTACATGAGCTTCAGCATGAAACCACCTCCGTCTGCCACGCTGGCTG 431
QY      41 ---AlaSerProThrIleGluLeuValIleGlnValIleValIleValIleValIleVal 59
Db      432 GCAGCTTCGCCACCAAGGAGATCCAGGTGTTAAAGTACAAAGTGTGCCCTCATCAAGCCC 491
QY      60 CysProAlaAsnTyrPheAlaPheLysIleCysSerGlyAlaAlaAsnValValGlyPro 79
Db      492 TGCCACGCCAATCTATTGTTTAAATCTGCAGTGGGGCGGCCACGCTGTGGGCCCT 551
QY      80 ThrMetCysPheGluAspArgMetIleMetSerProValIleValIleValIleValIleVal 99
Db      552 ACTATGTGCTTTGAAGCCGATCATGATGATGCTGTGAAAAACAATGTGGCGAGAGGC 611
QY      100 LeuAsnIleAlaLeuValAsnGlyThrThrGlyAlaValLeuGlyGlnIleValPheAsp 119
Db      612 CTTAAACATCGCCCTGGTGAATGGAAACACCGGAGCTGTGCTGGGACAGAGGCATTTCAC 671
QY      120 MetTyrSerGlyAspValMetHisLeuValIleValIleValIleValIleValIleVal 139
|||||
Db          672 ATGTACTCTGGAGATGTTATGCACCTAGTGAATTCCTTAAAGAAATTCGGGGGGGTGCA 731
QY      140 LeuValLeuValAlaSerTyrAspAspProGlyThrIleValMetAsnAspGluSerArgIle 159
Db      732 CTGGTGTCTGGTGGCTCTCTACGACGATCCAGGAGCCAAATGAACCATGAAAGCAGGAAA 791
QY      160 LeuPheSerAspLeuGlySerSerTyrAlaIleValGlnLeuGlyPheArgAspSerTyrVal 179
Db      792 CTCCTTCTCTGACTTGGGAGTTCTTACGCCAAACAACACTGGCTTCCGGACACAGCTGGTC 851
QY      180 PheIleGlyAlaIleValAspLeuArgGlyLysSerProPheGluGlnPheLeuIleValAsnSer 199
Db      852 TTCATAGGAGCCCAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTCTCTTAAAGAACAGC 911
QY      200 ProAspThrAsnLysTyrGluGlyTyrProGluLeuLeuGluMetGluGlyCysMetPro 219
Db      912 CCAGACACAAACAATACGAGGGATGCCAGAGCTCTCGAGATGGAGGCTGCATGCC 971
QY      220 ProLysProPhe 223
Db      972 CCGAAGCCATT 983
|||||
RESULT 7
US-10-160-503-459
; Sequence 459, Application US/10160503
; Publication No. US20040033559A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C46
; CURRENT APPLICATION NUMBER: US/10/160,503
; CURRENT FILING DATE: 2002-05-30
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-160-503-459

Alignment Scores:
Pred. No.:          9.64e-154          Length:          1337
Score:              1168.50           Matches:          223
Percent Similarity: 99.55%             Conservative:      0
Best Local Similarity: 99.55%           Mismatches:       0
Query Match:        99.11%             Indels:           1
DB:                 13                 Gaps:             1

US-09-052-855A-24 (1-223) x US-10-160-503-459 (1-1337)
QY      1 MetArgValSerGlyValLeuArgLeuAlaLeuIlePheAlaIleValThrTyr 20
Db      312 ATGAGAGTGCAGGTGTGCTTCGGCTCTCGCCCTCACTTTGGCATAGTCACGACATGG 371
QY      21 MetPheIleArgSerTyrMetSerPheSerMetIleValThrLeuProArgTyrLeu 40
|||||
```



```
Db 372 ATGTTTATTCCAGCTACATGAGCTTCAGCATGAAACCACCATCCGCTCTGCCACGCTGGCTG 431
QY 41 ---AlaSerProThrLysGluLeuValGlnValLysLysTyrLysCysGlyLeuLysPro 59
Db 432 GCAGCCTCGCCACCAAGGAGATCCAGGTAAAAAGTACAAAGTGTGGCCCTCATCAAGCCC 491
QY 60 CysProAlaAsnTyrPheAlaPheLysLysCysSerGlyAlaAlaAsnValGlyPro 79
Db 492 TGCCACGACCAACTACTTTGGTTTAAATCTGCAGTGGGGCCGCCCAACGCTGGGGCCCT 551
QY 80 ThrMetCysPheGluAspArgMetIleMetSerProValLysAsnValGlyArgGly 99
Db 552 ACTATGTGCTTTGAAGACCCCATGATCATGAGTCTGTGAAAAACAATGTGGGCAGAGGC 611
QY 100 LeuAsnIleAlaLeuValAsnGlyThrThrGlyAlaValLeuGlyGlnLysAlaPheAsp 119
Db 612 CTAAACATCGCCCTGGTGAATGGAACACCGGAGCTGTGTGGGACAGAAAGCATTTGAC 671
QY 120 MetTyrSerGlyAspValMetHisLeuValLysPheLeuLysGluLysProGlyGlyAla 139
Db 672 ATGTACTCTGGAGATGTTATGCACCTAGTGAATTCCTTAAAGAAATTCGGGGGGTGCA 731
QY 140 LeuValLeuValAlaSerTyrAspAspProGlyThrLysMetAsnAspGluSerArgLys 159
Db 732 CTGGTCTGGTGGCCCTCCTACGACGATCCAGGACCAAAATGAACGATGAAGACAGAAA 791
QY 160 LeuPheSerAspLeuGlySerSerTyrAlaLysGlnLeuGlyPheArgAspSerTrpVal 179
Db 792 CTCCTCTGACTTGGGGAGTTCCTACGACCAAAACAATCGAGTGGGCTTCGGGGACAGCTGGGTC 851
QY 180 PheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLysAsnSer 199
Db 852 TTTCATAGGAGCCAAAGACCTCAGGGGTAAAGGCCCTTTGAGCAGTTCCTTAAAGAACAGC 911
QY 200 ProAspThrAsnLysTyrGluGlyTrpProGluLeuLeuGluMetGluGlyCysMetPro 219
Db 912 CCAGACACAAACAAATACAGGGATGGCCAGAGCTGCTGGAGATGAGGGCTGCATGCC 971
QY 220 ProLysProPhe 223
Db 972 CCGAAGCCATTT 983

RESULT 8
US-10-143-118-459
; Sequence 459, Application US/10143118
; Publication No. US2004003835A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C228
; CURRENT APPLICATION NUMBER: US/10/143,118
; PRIOR FILING DATE: 2002-05-09
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
```

```
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-143-118-459
Alignment Scores:
Pred. No.: 9,64e-154 Length: 1337
Score: 1168.50 Matches: 223
Percent Similarity: 99.55% Conservative: 0
Best Local Similarity: 99.55% Mismatches: 0
Query Match: 99.11% Indels: 1
DB: 13 Gaps: 1

US-09-052-855A-24 (1-223) x US-10-143-118-459 (1-1337)
QY 1 MetArgValSerGlyValLeuArgLeuLeuLeuPheAlaIleValThrTrp 20
Db 312 ATGAGAGTGTACAGTGTGCTTCGCCCTCCGGCCCTCATCTTGCCATAGTCAGACATGG 371
QY 21 MetPheIleArgSerTyrMetSerPheSerMetLysThrIleArgLeuProArgTrpLeu 40
Db 372 ATGTTTATTTCGAAGCTACATGAGCTTCAGCATGAAACCACCATCCGCTCTGCCACGCTGGCTG 431
QY 41 ---AlaSerProThrLysGluIleGlnValLysLysTyrLysCysGlyLeuLysPro 59
Db 432 GCAGCCTCGCCACCAAGGAGATCCAGGTAAAAAGTACAAAGTGTGGCCCTCATCAAGCCC 491
QY 60 CysProAlaAsnTyrPheAlaPheLysIleCysSerGlyAlaAlaAsnValValGlyPro 79
Db 492 TGCCACGACCAACTACTTTGGTTTAAATCTGCAGTGGGGCCGCCCAACGCTGGGGCCCT 551
QY 80 ThrMetCysPheGluAspArgMetIleMetSerProValLysAsnValGlyArgGly 99
Db 552 ACTATGTGCTTTGAAGACCCCATGATCATGAGTCTGTGAAAAACAATGTGGGCAGAGGC 611
QY 100 LeuAsnIleAlaLeuValAsnGlyThrThrGlyAlaValLeuGlyGlnLysAlaPheAsp 119
Db 612 CTAAACATCGCCCTGGTGAATGGAACACCGGAGCTGTGTGGGACAGAAAGCATTTGAC 671
QY 120 MetTyrSerGlyAspValMetHisLeuValLysPheLeuLysGluLysProGlyGlyAla 139
Db 672 ATGTACTCTGGAGATGTTATGCACCTAGTGAATTCCTTAAAGAAATTCGGGGGGTGCA 731
QY 140 LeuValLeuValAlaSerTyrAspAspProGlyThrLysMetAsnAspGluSerArgLys 159
Db 732 CTGGTCTGGTGGCCCTCCTACGACGATCCAGGACCAAAATGAACGATGAAGACAGAAA 791
QY 160 LeuPheSerAspLeuGlySerSerTyrAlaLysGlnLeuGlyPheArgAspSerTrpVal 179
Db 792 CTCCTCTGACTTGGGGAGTTCCTACGACCAAAACAATCGAGTGGGCTTCGGGGACAGCTGGGTC 851
QY 180 PheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLysAsnSer 199
Db 852 TTTCATAGGAGCCAAAGACCTCAGGGGTAAAGGCCCTTTGAGCAGTTCCTTAAAGAACAGC 911
QY 200 ProAspThrAsnLysTyrGluGlyTrpProGluLeuLeuGluMetGluGlyCysMetPro 219
Db 912 CCAGACACAAACAAATACAGGGATGGCCAGAGCTGCTGGAGATGAGGGCTGCATGCC 971
QY 220 ProLysProPhe 223
Db 972 CCGAAGCCATTT 983

RESULT 9
US-10-144-993-459
; Sequence 459, Application US/10144993
; Publication No. US20040038336A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
```

```

; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330RIC261
; CURRENT APPLICATION NUMBER: US/10/144,993
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-144-993-459

Alignment Scores:
Pred. No.: 9,64e-154 Length: 1337
Score: 1168.50 Matches: 223
Percent Similarity: 99.55% Conservative: 0
Best Local Similarity: 99.55% Mismatches: 0
Query Match: 99.11% Indels: 1
DB: 13 Gaps: 1

US-09-052-855A-24 (1-223) x US-10-144-993-459 (1-1337)

QY 1 MetArgValSerGlyValLeuArgLeuAlaLeuAlaLeuPheAlaIleValThrTrp 20
DB 312 ATGAGAGTGTGAGTGTGCTTCGCCCTCATCTTTGCCATGATCAAGACATGG 371
QY 21 MetPheIleArgSerTyrMetSerPheSerMetIysThrIleArgLeuProArgTrpLeu 40
DB 372 ATGTTTATTCGAAGCTACATGAGTTCAGCATGAAACCATCCGCTCTGCCACGCTGGCTG 431
QY 41 ---AlaSerProThrIysGluIleGlnValIysIysTyrLysCysGlyLeuIleLysPro 59
DB 432 GCAGCCTCGCCCAACAGGAGATCCAGTTTAAAGTAAAGTACAGTGTGCCCTCAACAGCCC 491
QY 60 CysProAlaAsnTyrPheAlaPheLysIleCysSerGlyAlaAlaAsnValValGlyPro 79
DB 492 TGCCACGCCAACTACTTTTGGTTTAAATCTGCAGTGGGCGCGCAACGTCGTGGGCCCT 551
QY 80 ThrMetCysPheGluAspArgMetIleMetSerProValIysAsnAsnValGlyArgGly 99
DB 552 ACTATGTGCTTTGAAGACCGCATGATCATGAGTCTCTGTAACCAATGTGGGCAGAGGC 611
QY 100 LeuAsnIleAlaLeuValAsnGlyThrThrGlyAlaValLeuGlyGlnLysAlaPheAsp 119
DB 612 CTAACATCGCCCTTGAGTGTGTAATGTAACACAGGAGCTGTGTGGACAGAGGACATTTGAC 671
QY 120 MetTyrSerGlyAspValMetHisLeuValIysPheLeuIysGluIleProGlyGlyAla 139
DB 672 ATGTACTCTGGAGATGTTATGCACCTAGTGAAATTCCTTAAAGAAATTCGGGGGGTGCA 731
QY 140 LeuValLeuValAlaSerTyrAspAspProGlyThrIysMetAsnAspGluSerArgIys 159
DB 732 CTGTGTGCTGTGGGCTCTCTACAGCATCCAGGGACCAAAATGAACGATGAAGCAGGAAA 791
QY 160 LeuPheSerAspLeuGlySerSerTyrAlaIysGlnLeuGlyPheArgAspSerTrpVal 179
DB 792 CTCCTCTCTGACTTGGGAGTTCCTACGCAAAACAACTGGGCTTCGGGACAGCTGGGTC 851
QY 180 PheIleGlyAlaLysAspLeuArgGlyIysSerProPheGluGlnPheLeuLysAsnSer 199
DB 852 TTCATAGAGCCAAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTTCCTTAAAGAACAGC 911

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QY 200 ProAspThrAsnLysTyrGluGlyTrpProGluLeuLeuGluMetGluGlyCysMetPro 219
DB 912 CCAGACACAAACAAATACGAGGATGGCCAGAGCTGCTGGACATGGAGGGCTGCAATGCC 971
QY 220 ProLysProPhe 223
DB 972 CCGAAGCCATTT 983

RESULT 10
US-10-158-787-459
; Sequence 459, Application US/10158787
; Publication No. US20040039164A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330RIC449
; CURRENT APPLICATION NUMBER: US/10/158,787
; CURRENT FILING DATE: 2003-04-03
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-158-787-459

Alignment Scores:
Pred. No.: 9,64e-154 Length: 1337
Score: 1168.50 Matches: 223
Percent Similarity: 99.55% Conservative: 0
Best Local Similarity: 99.55% Mismatches: 0
Query Match: 99.11% Indels: 1
DB: 13 Gaps: 1

US-09-052-855A-24 (1-223) x US-10-158-787-459 (1-1337)

```

QY 1 MetArgValSerGlyValLeuArgLeuLeuAlaLeuIlePheAlaIleValThrTrp 20
DB 312 ATGAGAGTGTACAGTGTCTTCGCCCTCTCGCCCTCATCTTTGCCATAGTCACGACATGG 371
QY 21 MetPheIleArgSerTyrMetSerPheSerMetLysThrIleArgLeuProArgTrpLeu 40
DB 372 ATGTTTATTCGAAGCTACATGAGCTTCAGCATGAAACCATCGTCTGCCACGCTGGCTG 431
QY 41 ---AlaSerProThrLysGluIleGlnValLysLysTyrLysCysGlyLeuIleLysPro 59
DB 432 GCAGCCTCGCCCAAGAGAGATCCAGGTTAAAGGTACAAAGTGTGGCTCATCAAGGCC 491
QY 60 CysProAlaAsnTyrPheAlaPheLysIleCysSerGlyAlaAlaValValGlyPro 79
DB 492 TGCCAGCCCAACTACTTTGGTTTAAATCTGAGTGGGCGCCCAACGTCGTGGGCCCT 551
QY 80 ThrMetCysPheGluAspArgMetIleMetSerProValLysAsnValGlyArgGly 99
DB 552 ACTATGTGCTTTGAAGACCGCATGATCATGAGTCTGTGAAACCAATGTGGCAGAGGC 611
QY 100 LeuAsnIleAlaLeuValAsnGlyThrThrGlyAlaValLeuGlyGlnLysAlaPheAsp 119
DB 612 CTAAACATCGCCCTGTGTGAATGAACACCGGAGCTGTGTGGGACAGAAAGCATTTGAC 671
QY 120 MetTyrSerGlyAspValMetHisLeuValLysPheLeuLysGluIleProGlyGlyAla 139
DB 672 ATGTACTCTGGAGATGTTATGACCTAGTGAATTCCTTAAAGAAATTCGGGGGGTGCA 731
QY 140 LeuValLeuValAlaSerTyrAspAspProGlyThrLysMetAsnAspGluSerArgLys 159
DB 732 CTGGTGTGCTGGCTCTTACGACGATCCAGGACCAAAATGAACGATGAAGCAGGAAA 791
QY 160 LeuPheSerAspLeuGlySerSerTyrAlaLysGlnLeuGlyPheArgAspSerTrpVal 179
DB 792 CTCCTCTCTGACTTGGGGAGTTCTACGCAAAACAACTGGGCTTCGGGACAGCTGGGTC 851
QY 180 PheIleGlyAlaLysAspLeuArgLysSerProPheGluGlnPheLeuLysAsnSer 199
DB 852 TTCATAGGAGCCAAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTCTCTTAAAGAACACG 911
QY 200 ProAspThrAsnLysTyrGluGlyTrpProGluLeuLeuGluMetGluGlyCysMetPro 219
DB 912 CCAGACACAAACAAATACGAGGATGGCCAGAGCTGCTGGAGATGGAGGGCTGCATGCC 971
QY 220 ProLysProPhe 223
DB 972 CCGAAGCCATTT 983

RESULT 11

US-10-140-024-459
; Sequence 459, Application US/10140024
; Publication No. US20040058424A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DePorge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME

; FILE REFERENCE: P3330R1C69
; CURRENT APPLICATION NUMBER: US/10/140, 024
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-024-459

Alignment Scores:

Pred. No.: 9,64e-154 Length: 1337
Score: 1168.50 Matches: 223
Percent Similarity: 99.55% Conservative: 0
Best Local Similarity: 99.55% Mismatches: 0
Query Match: 99.11% Indels: 1
DB: 13 Gaps: 1

US-09-052-855A-24 (1-223) x US-10-140-024-459 (1-1337)

QY 1 MetArgValSerGlyValLeuArgLeuLeuAlaLeuIlePheAlaIleValThrTrp 20
DB 312 ATGAGAGTGTACAGTGTCTTCGCCCTCTCGCCCTCATCTTTGCCATAGTCACGACATGG 371
QY 21 MetPheIleArgSerTyrMetSerPheSerMetLysThrIleArgLeuProArgTrpLeu 40
DB 372 ATGTTTATTCGAAGCTACATGAGCTTCAGCATGAAACCATCGTCTGCCACGCTGGCTG 431
QY 41 ---AlaSerProThrLysGluIleGlnValLysLysTyrLysCysGlyLeuIleLysPro 59
DB 432 GCAGCCTCGCCCAAGAGAGATCCAGGTTAAAGGTACAAAGTGTGGCTCATCAAGCCC 491
QY 60 CysProAlaAsnTyrPheAlaPheLysIleCysSerGlyAlaAlaValValGlyPro 79
DB 492 TGCCAGCCCAACTACTTTGGTTTAAATCTGAGTGGGCGCCCAACGTCGTGGGCCCT 551
QY 80 ThrMetCysPheGluAspArgMetIleMetSerProValLysAsnValGlyArgGly 99
DB 552 ACTATGTGCTTTGAAGACCGCATGATCATGAGTCTGTGAAACCAATGTGGCAGAGGC 611
QY 100 LeuAsnIleAlaLeuValAsnGlyThrThrGlyAlaValLeuGlyGlnLysAlaPheAsp 119
DB 612 CTAAACATCGCCCTGTGTGAATGAACACCGGAGCTGTGTGGGACAGAAAGCATTTGAC 671
QY 120 MetTyrSerGlyAspValMetHisLeuValLysPheLeuLysGluIleProGlyGlyAla 139
DB 672 ATGTACTCTGGAGATGTTATGACCTAGTGAATTCCTTAAAGAAATTCGGGGGGTGCA 731
QY 140 LeuValLeuValAlaSerTyrAspAspProGlyThrLysMetAsnAspGluSerArgLys 159
DB 732 CTGGTGTGCTGGCTCTTACGACGATCCAGGACCAAAATGAACGATGAAGCAGGAAA 791
QY 160 LeuPheSerAspLeuGlySerSerTyrAlaLysGlnLeuGlyPheArgAspSerTrpVal 179
DB 792 CTCCTCTCTGACTTGGGGAGTTCTTACGCAAAACAACTGGGCTTCGGGACAGCTGGGTC 851
QY 180 PheIleGlyAlaLysAspLeuArgLysSerProPheGluGlnPheLeuLysAsnSer 199
DB 852 TTCATAGGAGCCAAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTCTCTTAAAGAACACG 911
QY 200 ProAspThrAsnLysTyrGluGlyTrpProGluLeuLeuGluMetGluGlyCysMetPro 219
DB 912 CCAGACACAAACAAATACGAGGATGGCCAGAGCTGCTGGAGATGGAGGGCTGCATGCC 971
QY 220 ProLysProPhe 223
DB 972 CCGAAGCCATTT 983

RESULT 12

US-10-140-808-459
; Sequence 459, Application US/10140808
; Publication No. US20030017563A1

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; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C182
; CURRENT APPLICATION NUMBER: US/10/140,808
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-808-459

Alignment Scores:
Pred. No.: 9,64e-154 Length: 1337
Score: 1168.50 Matches: 223
Percent Similarity: 99.55% Conservative: 0
Best Local Similarity: 99.55% Mismatches: 0
Query Match: 99.11% Indels: 1
DB: 13 Gaps: 1

US-09-052-855A-24 (1-223) x US-10-140-808-459 (1-1337)

QY 1 MetArgValSerGlyValLeuArgLeuLeuAlaLeuPheAlaIleValThrTrp 20
Db 312 ATGAGAGTGTACAGTGTGCTTCGCCCTCTGCCCTCATCTTCCATAGTCACGACATGG 371

QY 21 MetPheIleArgSerTyrMetSerPheSerMetLysThrIleArgLeuProArgTrpLeu 40
Db 372 ATGTTTATTCGAAGTACATGAGCTTCAGCATGAAACCATCCGCTCTGCCACGCTGGCTG 431

QY 41 ---AlaSerProThrLysGluIleGlnValLysTyrLysCysGlyLeuIleLysPro 59
Db 432 GCAGCTCGCCCAAGAGAGATCCAGGTTAAAGTAAAGTACAAAGTGGCCCTCATCAAGCCC 491

QY 60 CysProAlaAsnTyrPheAlaPheLysIleCysSerGlyAlaAlaAsnValValGlyPro 79
Db 492 TGCCAGCCCACTACTTTGGCTTTAAATCTGCAGTGGGCGCCCAACGTCGTGGGCCCT 551

QY 80 ThrMetCysPheGluAspArgMetIleMetSerProValLysAsnValGlyArgGly 99
Db 552 ACTATGTGCTTTGAAGCCCATGATCATGAGTCCCTGTGAAAAACAATGTGGGCAGAGGC 611

QY 100 LeuAsnIleAlaLeuValAsnGlyThrThrGlyAlaValLeuGlyGlnLysAlaPheAsp 119
Db 612 CTAACATCCCTCGTGTGTAATGACACCGAGCTGTGTGGACAGAAGGATTTGAC 671

QY 120 MetTyrSerGlyAspValMetHisLeuValLysPheLeuLysGluIleProGlyAla 139
Db 672 ATGTACTCTGGAGATGTTATGACCTAGTGAATTCCTTAAAGAAATTCGGGGGTGCA 731

QY 140 LeuValLeuValAlaSerTyrAspProGlyThrLysMetAsnAspGluSerArgLys 159
Db 732 CTGGTGTGGTGGCTCTCTACGACGATCCAGGGACCAAAATGAACGATGAAGCAGGAAA 791

; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan I.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Faoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2830P1C9
; CURRENT APPLICATION NUMBER: US/10/006,485A
; CURRENT FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: 60/098716
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098723
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098749
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098750
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098803
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098821
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098843
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/099536
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099596
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099598
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099602
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099642
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099741
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099754
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099763
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099792
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099808

; RESULT 13
US-10-006-485A-414
; Sequence 414, Application US/10006485A
; Publication No. US20030064062A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan I.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Faoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2830P1C9
; CURRENT APPLICATION NUMBER: US/10/006,485A
; CURRENT FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: 60/098716
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098723
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098749
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098750
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098803
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098821
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098843
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/099536
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099596
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099598
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099602
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099642
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099741
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099754
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099763
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099792
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099808

160 LeuPheSerAspLeuGlySerSerTyrAlaLysGlnLeuGlyPheArgAspSerTrpVal 179
Db 792 CTCCTCTCTGACTTGGGGAGTTCCTACGCAAAACAACTGGGCTTCGGGACAGCTGGGTC 851

QY 180 PheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLysAsnSer 199
Db 852 TTCATAGAGCCAAAGACCTCAGGGGTAAAGCCCTTTTGAGCAGTTCTTAAAGAACAGC 911

QY 200 ProAspThrAsnLysTyrGluGlyTrpProGluLeuLeuMetGluGlyCysMetPro 219
Db 912 CCAGACACAAACAAATACGAGGATGGCCAGAGCTGCTGGAGATGGAGGGCTGCATGCCCC 971

QY 220 ProLysProPhe 223
Db 972 CCGAAGCCATTT 983
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7	PRIOR APPLICATION NUMBER:	60/102244
7	PRIOR FILING DATE:	1998-09-29
7	PRIOR APPLICATION NUMBER:	60/102307
7	PRIOR FILING DATE:	1998-09-29
7	PRIOR APPLICATION NUMBER:	60/102330
7	PRIOR FILING DATE:	1998-09-29
7	PRIOR APPLICATION NUMBER:	60/102331
7	PRIOR FILING DATE:	1998-09-29
7	PRIOR APPLICATION NUMBER:	60/102484
7	PRIOR FILING DATE:	1998-09-30
7	PRIOR APPLICATION NUMBER:	60/102487
7	PRIOR FILING DATE:	1998-09-30
7	PRIOR APPLICATION NUMBER:	60/102570
7	PRIOR FILING DATE:	1998-09-30
7	PRIOR APPLICATION NUMBER:	60/102571
7	PRIOR FILING DATE:	1998-09-30
7	PRIOR APPLICATION NUMBER:	60/102684
7	PRIOR FILING DATE:	1998-10-01
7	PRIOR APPLICATION NUMBER:	60/102688
7	PRIOR FILING DATE:	1998-10-01
7	PRIOR APPLICATION NUMBER:	60/102965
7	PRIOR FILING DATE:	1998-10-02
7	PRIOR APPLICATION NUMBER:	60/103258
7	PRIOR FILING DATE:	1998-10-06
7	PRIOR APPLICATION NUMBER:	60/103314
7	PRIOR FILING DATE:	1998-10-07
7	PRIOR APPLICATION NUMBER:	60/103315
7	PRIOR FILING DATE:	1998-10-07
7	PRIOR APPLICATION NUMBER:	60/103328
7	PRIOR FILING DATE:	1998-10-07
7	PRIOR APPLICATION NUMBER:	60/103395
7	PRIOR FILING DATE:	1998-10-07
7	PRIOR APPLICATION NUMBER:	60/103396
7	PRIOR FILING DATE:	1998-10-07
7	PRIOR APPLICATION NUMBER:	60/103401
7	PRIOR FILING DATE:	1998-10-07
7	PRIOR APPLICATION NUMBER:	60/103449
7	PRIOR FILING DATE:	1998-10-06
7	PRIOR APPLICATION NUMBER:	60/103633
7	PRIOR FILING DATE:	1998-10-08
7	PRIOR APPLICATION NUMBER:	60/103678
7	PRIOR FILING DATE:	1998-10-08
7	PRIOR APPLICATION NUMBER:	60/103679
7	PRIOR FILING DATE:	1998-10-08
7	PRIOR APPLICATION NUMBER:	60/103711
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7	PRIOR APPLICATION NUMBER:	60/104257
7	PRIOR FILING DATE:	1998-10-14
7	PRIOR APPLICATION NUMBER:	60/104987
7	PRIOR FILING DATE:	1998-10-20
7	PRIOR APPLICATION NUMBER:	60/105000
7	PRIOR FILING DATE:	1998-10-20
7	PRIOR APPLICATION NUMBER:	60/105002
7	PRIOR FILING DATE:	1998-10-20
7	PRIOR APPLICATION NUMBER:	60/105104
7	PRIOR FILING DATE:	1998-10-21
7	PRIOR APPLICATION NUMBER:	60/105169
7	PRIOR FILING DATE:	1998-10-22
7	PRIOR APPLICATION NUMBER:	60/105266
7	PRIOR FILING DATE:	1998-10-22
7	PRIOR APPLICATION NUMBER:	60/105693
7	PRIOR FILING DATE:	1998-10-26
7	PRIOR APPLICATION NUMBER:	60/105694
7	PRIOR FILING DATE:	1998-10-26
7	PRIOR APPLICATION NUMBER:	60/105807
7	PRIOR FILING DATE:	1998-10-27
7	PRIOR APPLICATION NUMBER:	60/105881
7	PRIOR FILING DATE:	1998-10-27
7	PRIOR APPLICATION NUMBER:	60/105882
7	PRIOR FILING DATE:	1998-10-27
7	PRIOR APPLICATION NUMBER:	60/106023
7	PRIOR FILING DATE:	1998-10-28

Alignment Scores:			
Pred. No.:	9.64e-154	Length:	1337
Score:	1168.50	Matches:	223
Percent Similarity:	99.55%	Conservative:	0
Best Local Similarity:	99.55%	Mismatches:	0
Query Match:	99.11%	Indels:	1
DB:	13	Gaps:	1
US-09-052-855A-24 (1-223) x US-10-006-485A-414 (1-1337)			
Qy	1	MetArgValSerGlyValLeuArgLeuLeuAlaLeuLeuPheAlaIleValThrThrTrp	20
Db	312	ATGAGAGTGTCAGGTGTCTCGCCCTCTCTGGCCCTCACTTTGCCATAGTCACGACATGG	371
Qy	21	MetPheIleArgSerTyrMetSerPheSerMetLysThrIleArgLeuProArgTrpLeu	40
Db	372	ATGTTTATTCGAAGCTACATGAGCTTCAGCATGAACCCATCCGTCTGCCACGCTGGGTG	431
Qy	41	---AlaSerProThrLysGluIleGlnValLysLysTyrLysCysGlyLeuLeuLysPro	59
Db	432	GCAGCCTCGCCACCACAGAGATCCAGGTTAAAAAGTACAGGTGTGGCCTCATCAAGCC	491
Qy	60	CysProAlaAsnTyrPheAlaPheLysIleCysSerGlyValAlaAlaAsnValValGlyPro	79
Db	492	TGCCCAGCCAACTACTTTGCGTTTAAATCTCAGTGGGGCGCCAACTCGTGTGGCCCT	551
Qy	80	ThrMetCysPheGluAspArgMetIleMetSerProValLysAsnAsnValGlyArgGly	99
Db	552	ACTATGTGCTTTGAAGACCGCATGATCATGAGTCTCTGTGTAAGAACAAATGTGGCAGAGC	611
Qy	100	LeuAsnIleAlaLeuValAsnGlyThrThrGlyAlaValLeuGlyGlnLysAlaPheAsp	119
Db	612	CTAAACATCGCCCTGGTGAATGAACACCGGAGCTGTCTGGACAGAGCATTTGAC	671
Qy	120	MetTyrSerGlyAspValMethHisLeuValLysPheLeuLysGluIleProGlyGlyAla	139
Db	672	ATGTACTCTGGAGATGTTATGCACTTAGTGAATTCCTTAAAGAAATTCGGGGGGTGCA	731
Qy	140	LeuValLeuValAlaSerTyrAspAspProGlyThrLysMetAsnAspGluSerArgLys	159
Db	732	CTGGTGCTGGTGGCCCTCTACACGATCCAGGACCAAAATGAACGATGAAGCAGAGAA	791
Qy	160	LeuPheSerAspLeuGlySerSerTyrAlaLysGlnLeuGlyPheArgAspSerTrpVal	179
Db	792	CTCTTCTCTGACTTGGGGAGTTCTTACGCCAAACAACTGGGCTTCGGGACAGCTGGGTC	851
Qy	180	PheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLysAsnSer	199
Db	852	TTTCATAGGAGCCAAAGACCTCAGGGGTAAAGGCCCTTTGAGCAGTTCCTTAAAGAACAGC	911
Qy	200	ProAspThrAsnLysTyrGluGlyTrpProGluLeuLeuMetGluGlyCysMetPro	219
Db	912	CCAGACACAAACAAATACGAGGATGGCCACGAGCTCTGGAGATGGAGGCTCATGCC	971
Qy	220	ProLysProPhe	223
Db	972	CCGAAGCCATTT	983

RESULT 14
US-10-013-907A-414
; Sequence 414, Application US/10013907A
; Publication No. US20030064925A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnover, Luc
; APPLICANT: Eaton, Dan I.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goodard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.

```

; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C34
; CURRENT APPLICATION NUMBER: US/10/013,907A
; CURRENT FILING DATE: 2001-12-10
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 414
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-013-907A-414

Alignment Scores:
Pred. No.:          9,64e-154      Length:      1337
Score:             1168.50         Matches:      223
Percent Similarity: 99.55%         Conservative: 0
Best Local Similarity: 99.55%      Mismatches:   0
Query Match:       99.11%          Indels:       1
DB:                13              Gaps:         1

US-09-052-855A-24 (1-223) x US-10-013-907A-414 (1-1337)
Qy      1 MetArgValSerGlyValLeuArgLeuAlaLeuAlaLeuPheAlaIleValThrTrp 20
Db      312 ATGAGAGTGTGAGGTGTGCTTCGGCTCTCTGGCCCTCATCTTTGCCATAGTCAGCATGG 371
Qy      21 MetPheIleArgSerTyrMetSerPheSerMetIlyThrIleArgLeuProArgTrpLeu 40
Db      372 ATGTTTATTCGAAGCTCATGAGCTTCAGCATGAAACCATCCGCTGCCACGCTGGGTG 431
Qy      41 ---AlaSerProThrLysGluIleGlnValIlyLysTyrLysCysGlyLeuIleLysPro 59
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Qy      60 CysProAlaAsnTyrPheAlaPheLysIleCysSerGlyAlaAlaAsnValValGlyPro 79
Db      492 TGCCAGCCCACTACTTTGGCGTTTAAATCTGCAGTGGGGCCGCCAACGTCGTGGGCCCT 551
Qy      80 ThrMetCysPheGluAspArgMetIleMetSerProValLysAsnAsnValGlyArgGly 99
Db      552 ACTATGTCTTTGAAGACCGCATGATCATGATGCTCTGTGAAAAACAATGTGGGCGAGAGC 611
Qy      100 LeuAsnIleAlaLeuValAsnGlyThrThrGlyAlaValLeuGlyGlnLysAlaPheAsp 119
Db      612 CTAAACATCGCCCTGGTGAATGGAAACACGGAGCTGTGTGGGACAGAGCATTGAC 671
Qy      120 MetTyrSerGlyAspValMetHisLeuValLysPheLeuLysGluIleProGlyGlyAla 139
Db      672 ATGTACTCTGGAGATGTTATGCACCTAGTGAATTCCTTAAAGAAATTCGGGGGGTGCA 731
Qy      140 LeuValLeuValAlaSerTyrAspAspProGlyThrLysMetAsnAspGluSerArgLys 159
Db      732 CTGGTGTCTGTGGCCCTCTACAGCATCCAGGGACCAAAATGAACATGAAGAGCAGGAAA 791
Qy      160 LeuPheSerAspLeuGlySerSerTyrAlaLysGlnLeuGlyPheArgAspSerTrpVal 179
Db      792 CTCCTCTCTGACTTGGGAGATCTTCACGCAAAACAACCTGGGCTTCGGGACAGCTGGGTC 851
Qy      180 PheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLysAsnSer 199
Db      852 TTCATAGGAGCAAAAGACCTCAGGGGTAAAGCCCTTTGACAGCTTCTTAAAGAACACAG 911
Qy      200 ProAspThrAsnLysTyrGluGlyTrpProGluLeuLeuGluMetGluGlyCysMetPro 219
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; Sequence 414, Application US/10015499A
; Publication No. US20030065142A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan I.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830PIC42
; CURRENT APPLICATION NUMBER: US/10/015,499A
; Prior Filing DATE: 2001-12-11
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 414
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-015-499A-414

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Percent Similarity: 99.55%      Conservative: 0
Best Local Similarity: 99.55%      Mismatches: 0
Query Match:      99.11%      Indels:      1
DB:              13          Gaps:         1

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Db      312  ATGAGAGTGCAGGAGTGTCTCGCTCTCGGCCCTCATCTTTGCCATAGTCACGACATGG 371
QY      21  MetPheIleArgSerTyrMetSerPheSerMetLysThrIleArgLeuProArgTrpLeu 40
Db      372  ATGTTTATTCGAAGCTACATGAGCTTCAGCATGAAAAACCATCCGTCGCGCAGCTGGCTG 431
QY      41  ---AlaSerProThrLysGluIleGlnValLysLysTyrLysCysGlyLeuIleLysPro 59
Db      432  GCAGCCTCGCCGCCAACAGAGATCCAGGTAAAAAGTACAGTGTGGCTCATCAAGCCC 491
QY      60  CysProAlaAsnTyrPheAlaPheLysIleCysSerGlyAlaAlaAsnValValGlyPro 79
Db      492  TGCCCGAGCAACTACTTTTGGCTTTAAATCTGCAGTGGGGCGCCCAACGTCGTGGGCGCT 551
QY      80  ThrMetCysPheGluAspArgMetIleMetSerProValLysAsnAsnValGlyArgGly 99
Db      552  ACTATGTGCTTTGAAGACCGCATGNTCATGAGTCTGTGAAAAACATGTGGGCAGAGGC 611
QY      100  LeuAsnIleAlaLeuValAsnGlyThrThrGlyAlaValLeuGlyGlnLysAlaPheAsp 119
Db      612  CTAAACATCGCCCTGGTGAATGGAACACCGGAGCTGTGCTGGGACACAGGCATTTCAC 671
QY      120  MetTyrSerGlyAspValMetHisLeuValLysPheLeuLysGluIleProGlyGlyAla 139
Db      672  ATGACTCTGAGATGTTTATCACCCTAGTGAATTCCTTAAAGAAATTCGGGGGGTGCA 731
QY      140  LeuValLeuValAlaSerTyrAspProGlyThrLysMetAsnAspGluSerArgLys 159
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Db      732  CTGGTCTGGTGGCCTCCTACGACGATCCAGGGACCAAAATGAACGATGAAGCAGGAAA 791
QY      160  LeuPheSerAspLeuGlySerSerTyrAlaLysGlnLeuGlyPheArgAspSerTrpVal 179
Db      792  CTCTTCTCTGACTTGGGGAGTTCCTACGCAAAACAACTGGGCTTCCGGGACAGCTGGGTC 851
QY      180  PheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLysAsnSer 199
Db      852  TTCATAGGAGCCAAAGACCTCAGGGGTAAAAAGCCCTTTGAGCAGTTCCTTAAAGAACAGC 911
QY      200  ProAspThrAsnLysTyrGluGlyTrpProGluLeuLeuGluMetGluGlyCysMetPro 219
Db      912  CCAGACACAAACAAATACGAGGGATGGCCAGAGCTGCTGGAGATGGAGGCTGCATGCCC 971
QY      220  ProLysProPhe 223
Db      972  CCGAAGCCATT 983
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Job time : 973.122 secs

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GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: August 28, 2004, 06:19:16 ; Search time 25.0981 Seconds
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Title: US-09-052-855A-25

Perfect score: 211

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
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Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	97	46.0	2475	4	US-09-220-132-179
3	80	37.9	464	4	US-09-621-976-13369
4	61	28.9	8517	3	US-08-827-208-1
5	61	28.9	8517	3	US-09-500-358-1
6	61	28.9	8517	3	US-09-498-809-1
7	61	28.9	75395	4	US-09-984-890-3
8	60	28.4	32042	4	US-09-245-281-44
9	60	28.4	32042	4	US-09-340-620A-63
10	59.5	28.2	559	4	US-09-621-976-16821
11	58	27.5	876	4	US-09-167-513-1
12	58	27.5	913	4	US-09-702-114A-1

13	58	27.5	948	4	US-09-247-155-50	Sequence 50, Appl
14	58	27.5	948	4	US-09-599-360B-13	Sequence 13, Appl
15	58	27.5	957	4	US-09-866-028-90	Sequence 90, Appl
16	58	27.5	8396	4	US-09-328-174A-1	Sequence 1, Appl
17	58	27.5	8409	3	US-09-167-681-37	Sequence 37, Appl
18	58	27.5	19736	4	US-09-740-035-3	Sequence 3, Appl
19	58	27.5	46718	4	US-09-816-093-3	Sequence 3, Appl
20	58	27.5	84495	4	US-09-797-906-3	Sequence 101, App
21	57	27.0	43795	3	US-08-742-185-101	Sequence 11, Appl
22	57	27.0	392000	4	US-10-027-983-11	Sequence 101, App
23	56	26.5	56	4	US-09-918-686-101	Sequence 17, Appl
24	56	26.5	897	3	US-09-058-389A-17	Sequence 17, Appl
25	56	26.5	897	3	US-09-611-781-17	Sequence 7, Appl
26	56	26.5	1272	3	US-09-058-389A-7	Sequence 9, Appl
27	56	26.5	1272	3	US-09-611-781-7	Sequence 9, Appl
28	56	26.5	1847	3	US-09-058-389A-9	Sequence 9, Appl
29	56	26.5	1847	4	US-09-611-781-9	Sequence 9, Appl
30	56	26.5	6354	3	US-09-058-389A-5	Sequence 5, Appl
31	56	26.5	6354	4	US-09-611-781-5	Sequence 5, Appl
32	55.5	26.3	613	3	US-09-385-982-114	Sequence 114, App
33	55	26.1	390	4	US-09-621-976-9369	Sequence 9369, Ap
34	55	26.1	498	4	US-09-621-976-13028	Sequence 13028, A
35	55	26.1	711	4	US-09-221-0178-476	Sequence 476, App
36	55	26.1	1284	4	US-09-489-039A-4851	Sequence 4851, Ap
37	55	26.1	35060	3	US-08-814-095-7	Sequence 7, Appl
38	55	26.1	786431	4	US-09-751-389-3	Sequence 3, Appl
39	54.5	25.8	657	4	US-09-252-991A-16566	Sequence 16566, A
40	54.5	25.8	783	4	US-09-252-991A-15938	Sequence 15938, A
41	54.5	25.8	1686	4	US-09-540-236-931	Sequence 931, App
42	54.5	25.8	17327	1	US-07-906-871-15	Sequence 15, Appl
43	54.5	25.8	94750	4	US-09-596-002-38	Sequence 38, Appl
44	54	25.6	605	1	US-08-469-667-17	Sequence 17, Appl
45	54	25.6	605	4	US-09-224-110-17	Sequence 17, Appl

ALIGNMENTS

RESULT 1

US-09-045-193-1
; Sequence 1, Application US/09045193
; Patent No. 6245550
; GENERAL INFORMATION:
; APPLICANT: HENSLEY, PRESTON
; APPLICANT: ROSE, GEORGE
; APPLICANT: AURORA, RAJEEV
; APPLICANT: ABDEL-MEGUID, SHERIN
; APPLICANT: YOUNG, PETER
; APPLICANT: ZHU, YUAN
; APPLICANT: MOONEY, JEFFREY
; APPLICANT: BERGSMAN, DEBK
; APPLICANT: GUERRERA, STEPHANIE
; APPLICANT: ELLIS, CATHERINE
; TITLE OF INVENTION: The Cytokine Family Member
; TITLE OF INVENTION: EF-7
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ratner & Prestia
; STREET: P.O. Box 980
; CITY: Valley Forge
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/045,193
; FILING DATE: 20-MAR-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:

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;
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Prestia, Paul F
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: GP-70421
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0701
;
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1067 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
US-09-045-193-1
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Score: 200.50 Matches: 36
Percent Similarity: 97.44% Conservatve: 0
Best Local Similarity: 97.44% Mismatches: 0
Query Match: 95.02% Indels: 1
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Db 156 CGCTGGCTGCAGCTCGCCACCAAGGAGATCCAGGTTAAAGGATACAAAGTGCGCTC 215
QY 20 IleLysProCysProAlaSerPheAlaPheLysLysCysSerGlyAlaAlaAsn 38
Db 216 ATCAAGCCCTGCCAGCCAACTACTTTGGTTTAAATCTGCAGTGGGGCGCCAAAC 272
RESULT 2
US-09-220-132-179
; Sequence 179, Application US/09220132
; Patent No. 6506607
; GENERAL INFORMATION:
; APPLICANT: Shyjan, Andrew W.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE IDENTIFICATION AND ASSESSMENT
; OF PROSTATE CANCER THERAPIES AND THE DIAGNOSIS OF PROSTATE CANC
; FILE REFERENCE: 07334-074001
; CURRENT APPLICATION NUMBER: US/09/220,132
; CURRENT FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: US 60/079,303
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: US 60/068,821
; PRIOR FILING DATE: 1997-12-24
; NUMBER OF SEQ ID NOS: 191
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 179
; LENGTH: 2475
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-220-132-179
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Score: 97.00 Matches: 17
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Query Match: 45.97% Indels: 0
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Db 297 TTGCACACAGCTGCACGCTTCTACAAAGCCTCCAGATATAAGTGTGGGATCTCAAAAGCT 356
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QY 23 CysProAlaAsnTyrPheAlaPheLysLysCysSerGlyAlaAlaAsn 38
Db 357 TGCCCTGAGAGCAATTTGCTTTTAAATGGCAAGTGGAGCAGCCAC 404
RESULT 3
US-09-621-976-13369
; Sequence 13369, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 13369
; LENGTH: 464
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-13369
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Score: 80.00 Matches: 19
Percent Similarity: 95.00% Conservatve: 0
Best Local Similarity: 95.00% Mismatches: 1
Query Match: 37.91% Indels: 1
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Db 406 CGCTGGCTGCCTCGCCACC-AAAGGATCCAGTTTAAAAAGTACAAAGTGTGGCTCATC 464
RESULT 4
US-08-827-208-1
; Sequence 1, Application US/08827208
; Patent No. 6025178
; GENERAL INFORMATION:
; APPLICANT: Chiou, Xue-Chiou C.
; APPLICANT: Kramer, Ruth M.
; APPLICANT: Pickard, Richard T.
; APPLICANT: Sharp, John D.
; APPLICANT: Striffler, Bech A.
; TITLE OF INVENTION: HUMAN PHOSPHOLIPASE A2 AND RELATED
; TITLE OF INVENTION: NUCLEIC ACID COMPOUNDS
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Eli Lilly and Company
; STREET: Lilly Corporate Center
; CITY: Indianapolis
; STATE: Indiana
; COUNTRY: United States of America
; ZIP: 46285
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/827,208
; FILING DATE: 28-MAR-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/014,608
; FILING DATE: 29-MAR-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/041,264
; FILING DATE: 19-MAR-1997
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; ATTORNEY/AGENT INFORMATION:
; NAME: Gaylo, Paul J.
; REGISTRATION NUMBER: 36,808
; REFERENCE/DOCKET NUMBER: X-10610
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (317) 276-0756
; TELEFAX: (317) 276-3861
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8517 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: exon
; LOCATION: 1611..2063
; FEATURE:
; NAME/KEY: exon
; LOCATION: 5315..6045
; FEATURE:
; NAME/KEY: exon
; LOCATION: 6143..6758
; FEATURE:
; NAME/KEY: exon
; LOCATION: 7075..7317
; FEATURE:
; NAME/KEY: exon
; LOCATION: 7473..8499
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US-08-827-208-1
Alignment Scores:
Pred. No.: 40.9 Length: 8517
Score: 61.00 Matches: 10
Percent Similarity: 71.43% Conservative: 5
Best Local Similarity: 47.62% Mismatches: 4
Query Match: 28.91% Indels: 2
DB: 3 Gaps: 1
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Db 2881 TACAGGTGC-----GTGCCACCATGCCCGCTAATTTTGTATTTTAGTAGAGACG 2934
QY 35 Gly 35
Db 2935 GGG 2937
RESULT 5
US-09-500-358-1
; Sequence 1, Application US/09500358
; Patent No. 6197569
; GENERAL INFORMATION:
; APPLICANT: Chiou, Xue-Chiou C.
; APPLICANT: Kramer, Ruth M.
; APPLICANT: Pickard, Richard T.
; APPLICANT: Sharp, John D.
; APPLICANT: Striffler, Beth A.
; TITLE OF INVENTION: HUMAN PHOSPHOLIPASE A2 AND RELATED
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Eli Lilly and Company
; STREET: Lilly Corporate Center
; CITY: Indianapolis
; STATE: Indiana
; COUNTRY: United States of America
; ZIP: 46285
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Gaylo, Paul J.
; REGISTRATION NUMBER: 36,808
; REFERENCE/DOCKET NUMBER: X-10610
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (317) 276-0756
; TELEFAX: (317) 276-3861
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8517 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: exon
; LOCATION: 1611..2063
; FEATURE:
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; FEATURE:
; NAME/KEY: exon
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; NAME/KEY: exon
; LOCATION: 7075..7317
; FEATURE:
; NAME/KEY: exon
; LOCATION: 7473..8499
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Db 2881 TACAGGTGC-----GTGCCACCATGCCCGCTAATTTTGTATTTTAGTAGAGACG 2934
QY 35 Gly 35
Db 2935 GGG 2937
RESULT 6
US-09-498-809-1
; Sequence 1, Application US/09498809
; Patent No. 6242206
; GENERAL INFORMATION:
; APPLICANT: Chiou, Xue-Chiou C.
; APPLICANT: Kramer, Ruth M.
; APPLICANT: Pickard, Richard T.
; APPLICANT: Sharp, John D.
; APPLICANT: Striffler, Beth A.
; TITLE OF INVENTION: HUMAN PHOSPHOLIPASE A2 AND RELATED
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; TITLE OF INVENTION: NUCLEIC ACID COMPOUNDS
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Eli Lilly and Company
; STREET: Lilly Corporate Center
; CITY: Indianapolis
; STATE: Indiana
; COUNTRY: United States of America
; ZIP: 46285
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/498,809
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/827,208
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/041,264
; FILING DATE: 19-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Gaylo, Paul J.
; REGISTRATION NUMBER: 36,808
; REFERENCE/DOCKET NUMBER: X-10610
; TELEPHONE: (317) 276-0756
; TELEFAX: (317) 276-3861
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8517 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: exon
; LOCATION: 1611..2063
; FEATURE:
; NAME/KEY: exon
; LOCATION: 5315..6045
; FEATURE:
; NAME/KEY: exon
; LOCATION: 6143..6758
; FEATURE:
; NAME/KEY: exon
; LOCATION: 7075..7317
; FEATURE:
; NAME/KEY: exon
; LOCATION: 7473..8499
; US-09-498-809-1
;
; Alignment Scores:
; Pred. No.: 40.9 Length: 8517
; Score: 61.00 Matches: 10
; Percent Similarity: 71.43% Conservative: 5
; Best Local Similarity: 47.62% Mismatches: 4
; Query Match: 28.91% Indels: 2
; DB: 3 Gaps: 1
;
; US-09-052-855A-25 (1-38) x US-09-498-809-1 (1-8517)
;
; QY 15 TyrLysCysGlyLeuIleLysProCysProAlaAsnTyrPheAlaPhelYsIleCysSer 34
; Db 2881 TACAGTGC-----GTGCCACCATGCCGGCTAAATTTTCTATTATTTTAGTAGAGACG 2934
;
; QY 35 Gly 35
; Db 2935 GGG 2937
;
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEROF
; FILE REFERENCE: CL001306
; CURRENT APPLICATION NUMBER: US/09/984,890
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 75395
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(75395)
; OTHER INFORMATION: n = A,T,C or G
; US-09-984-890-3
;
; Alignment Scores:
; Pred. No.: 781 Length: 75395
; Score: 61.00 Matches: 12
; Percent Similarity: 55.56% Conservative: 3
; Best Local Similarity: 44.44% Mismatches: 4
; Query Match: 28.91% Indels: 8
; DB: 4 Gaps: 2
;
; US-09-052-855A-25 (1-38) x US-09-984-890-3 (1-75395)
;
; QY 15 TyrLysCysGlyLeuIleLysProCysProAlaAsnTyrPheAlaPhelYsIleCysSer 31
; Db 38410 TACAGTGT-----GTGCCACCATGCCGGCTAAATTTTCTATTATTTTAGTAGAGATGGG 38463
;
; QY 32 -----IleCysSerGly 35
; Db 38464 GTTACACCATGTTGTTTCAGGC 38484
;
; RESULT 8
; US-09-245-281-44
; Sequence 44, Application US/09245281
; Patent No. 6369196
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: 07334/118001
; CURRENT APPLICATION NUMBER: US/09/245,281
; CURRENT FILING DATE: 1999-02-05
; EARLIER APPLICATION NUMBER: US 09/207,359
; EARLIER FILING DATE: 1998-12-08
; EARLIER APPLICATION NUMBER: US 09/099,041
; EARLIER FILING DATE: 1998-06-17
; EARLIER APPLICATION NUMBER: US 09/019,942
; EARLIER FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 44
; LENGTH: 32042
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-245-281-44
;
; Alignment Scores:
; Pred. No.: 356 Length: 32042
; Score: 60.00 Matches: 16
; Percent Similarity: 46.67% Conservative: 5
; Best Local Similarity: 35.56% Mismatches: 10
; Query Match: 28.44% Indels: 14
```



```
; Sequence 1, Application US/09702114A
; Patent No. 6566078
; GENERAL INFORMATION:
; APPLICANT: Arthur B. Raitano
; APPLICANT: Aya Jakobovits
; APPLICANT: Mary Faris
; APPLICANT: Daniel E.H. Afar
; APPLICANT: Rene S. Hubert
; APPLICANT: Steve Chappell Mitchell
; TITLE OF INVENTION: 3676DS: SECRETED TUMOR ANTIGEN
; FILE REFERENCE: 129.22-US-U1
; CURRENT APPLICATION NUMBER: US/09/702,114A
; PRIOR FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: 60/162,417
; PRIOR FILING DATE: 1999-10-28
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 913
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-09-702-114A-1 (1-913)
Alignment Scores:
Pred. No.: 6.07 Length: 913
Score: 58.00 Matches: 9
Percent Similarity: 69.57% Conservatives: 7
Best Local Similarity: 39.13% Mismatches: 7
Query Match: 27.49% Indels: 0
DB: 4 Gaps: 0
US-09-052-855A-25 (1-38) x US-09-702-114A-1 (1-913)
QY 13 LysLysTyrLysCysGlyLeulleLysProCysProAlaAsnTyrPheAlaPheLysIle 32
Db 233 AAAGGCGAAAAATGTGACCACTGGACTCCCTGCCCATCTGACACCTATGCTACAGGTTA 292
QY 33 CysSerGly 35
Db 293 CTCAGCGGA 301
RESULT 13
US-09-247-155-50
; Sequence 50, Application US/09247155A
; Patent No. 6312922
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, Jean-Baptiste
; APPLICANT: Duclert, Aymeric
; APPLICANT: Bougueleret, Lydie
; TITLE OF INVENTION: Complementary DNAs
; FILE REFERENCE: GENSET 021A
; CURRENT APPLICATION NUMBER: US/09/247,155A
; PRIOR FILING DATE: 1999-02-09
; EARLIER APPLICATION NUMBER: 60/074,121
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/081,563
; EARLIER FILING DATE: 1998-04-13
; EARLIER APPLICATION NUMBER: 60/096,116
; EARLIER FILING DATE: 1998-08-10
; EARLIER APPLICATION NUMBER: 60/099,273
; EARLIER FILING DATE: 1998-10-04
; NUMBER OF SEQ ID NOS: 182
; SOFTWARE: Patent.pm
; SEQ ID NO 50
; LENGTH: 948
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 80..784
; NAME/KEY: sig_peptide
; LOCATION: 80..139
; OTHER INFORMATION: Von Heijne matrix
; OTHER INFORMATION: score 4
; OTHER INFORMATION: seq LLKVVVFVFASLC/AW
; NAME/KEY: polyA_signal
; LOCATION: 910..915
; NAME/KEY: polyA_site
; LOCATION: 933..948
; SEQ ID NO 13
; LENGTH: 948
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 80..784
; NAME/KEY: sig_peptide
; LOCATION: 80..139
; OTHER INFORMATION: Von Heijne matrix
; OTHER INFORMATION: score 4
; OTHER INFORMATION: seq LLKVVVFVFASLC/AW
; NAME/KEY: polyA_signal
; LOCATION: 910..915
; NAME/KEY: polyA_site
; LOCATION: 933..948
US-09-599-360B-13
Alignment Scores:
Pred. No.: 6.38 Length: 948
Score: 58.00 Matches: 9
Percent Similarity: 69.57% Conservatives: 7
Best Local Similarity: 39.13% Mismatches: 7
Query Match: 27.49% Indels: 0
US-09-052-855A-25 (1-38) x US-09-247-155-50 (1-948)
QY 13 LysLysTyrLysCysGlyLeulleLysProCysProAlaAsnTyrPheAlaPheLysIle 32
Db 254 AAAGGCGAAAAATGTGACCACTGGACTCCCTGCCCATCTGACACCTATGCTACAGGTTA 313
QY 33 CysSerGly 35
Db 314 CTCAGCGGA 322
RESULT 14
US-09-599-360B-13
; Sequence 13, Application US/09599360B
; Patent No. 6548633
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Bougueleret, L.
; APPLICANT: Jobert, S.
; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
; FILE REFERENCE: GENSET 050CP3
; CURRENT APPLICATION NUMBER: US/09/599,360B
; PRIOR FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: 60/113,686
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/141,032
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/469,099
; PRIOR FILING DATE: 1999-12-21
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: Patent.pm
; SEQ ID NO 13
; LENGTH: 948
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 80..784
; NAME/KEY: sig_peptide
; LOCATION: 80..139
; OTHER INFORMATION: Von Heijne matrix
; OTHER INFORMATION: score 4
; OTHER INFORMATION: seq LLKVVVFVFASLC/AW
; NAME/KEY: polyA_signal
; LOCATION: 910..915
; NAME/KEY: polyA_site
; LOCATION: 933..948
US-09-599-360B-13
Alignment Scores:
Pred. No.: 6.38 Length: 948
Score: 58.00 Matches: 9
Percent Similarity: 69.57% Conservatives: 7
Best Local Similarity: 39.13% Mismatches: 7
Query Match: 27.49% Indels: 0
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DB:                               4          Gaps: 0
US-09-052-855A-25 (1-38) x US-09-599-360B-13 (1-948)
QY 13 LysLysTyrLysCysGlyLeulleLysProCysProAlaAsnTyrPheAlaPheLysIle 32
Db 254 AAAGGCAAAATGTGACCACTGGACTCCCTGCCCATCTGACACCTATGCTACAGGTTA 313
QY 33 CysSerGly 35
Db 314 CTCAGCGGA 322

RESULT 15
US-09-866-028-90
; Sequence 90, Application US/09866028
; Patent No. 6642360
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
; APPLICANT: Botstein, David
; APPLICANT: Baton, Dan
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Hillan, Kenneth
; APPLICANT: Kljavin, Ivar
; APPLICANT: Napier, Mary
; APPLICANT: Roy, Margaret
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P2548PIC1
; CURRENT APPLICATION NUMBER: US/09/866,028
; CURRENT FILING DATE: 2001-05-25
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 120
; SEQ ID NO 90
; LENGTH: 957
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-866-028-90

Alignment Scores:
Pred No.: 6.46          Length: 957
Score: 58.00          Matches: 9
Percent Similarity: 69.57%      Conservative: 7
Best Local Similarity: 39.13%    Mismatches: 7
Query Match: 27.49%             Indels: 0
DB: 4                      Gaps: 0

US-09-052-855A-25 (1-38) x US-09-866-028-90 (1-957)
QY 13 LysLysTyrLysCysGlyLeulleLysProCysProAlaAsnTyrPheAlaPheLysIle 32
Db 183 AAAGGCAAAATGTGACCACTGGACTCCCTGCCCATCTGACACCTATGCTACAGGTTA 242
QY 33 CysSerGly 35
Db 243 CTCAGCGGA 251

Search completed: August 28, 2004, 09:32:56
Job time : 40.0981 secs
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; NAME/KEY: CDS
; LOCATION: (222)...(889)
US-10-764-100-1

Alignment Scores:
Pred. No.: 1,15e-24 Length: 1221
Score: 211.00 Matches: 38
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 17 Gaps: 0

US-09-052-855A-25 (1-38) x US-10-764-100-1 (1-1221)

QY 1 ArgTrrLeuAlaSerProThrLysGluIleGlnValLysLysTyrrLysCysGlyLeu 20
Db 333 CGCTGGCTGGCTCGCCCAAGGAGATCCAGGTTAAAGTACAAAGTGTGGCCTCATC 392
QY 21 LysProCysProAlaAsnTyrPheAlaPheLysIleCysSerGlyAlaAlaAsn 38
Db 393 AAGCCCTGCCAGCCCACTACTTTGCGTTTAAATCTGCAGTGGGGCCGCCAAC 446

RESULT 2
US-10-106-698-241
; Sequence 241, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1998-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 241
; LENGTH: 1360
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-241

Alignment Scores:
Pred. No.: 1,31e-23 Length: 1360
Score: 205.00 Matches: 37
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 97.16% Indels: 0
DB: 15 Gaps: 0

US-09-052-855A-25 (1-38) x US-10-106-698-241 (1-1360)

QY 1 ArgTrrLeuAlaSerProThrLysGluIleGlnValLysLysTyrrLysCysGlyLeu 20
Db 411 CGCTGGCTGGCTCGCCCAAGGAGATCCAGGTTAAAGTACAAAGTGTGGCCTCATC 470
QY 21 LysProCysProAlaAsnTyrPheAlaPheLysIleCysSerGlyAlaAla 37
Db 471 AAGCCCTGCCAGCCCACTACTTTGCGTTTAAATCTGCAGTGGGGCCGCCAAC 521

RESULT 3
US-10-099-926-1974
; Sequence 1974, Application US/10099926
; Publication No. US20030166064A1
; GENERAL INFORMATION:
; APPLICANT: King, Gordon E.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Xu, Jiangchun
; APPLICANT: Secrist, Heather
```

```
; APPLICANT: Jiang, Yuciu
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.547C2
; CURRENT APPLICATION NUMBER: US/10/099,926
; CURRENT FILING DATE: 2002-03-17
; NUMBER OF SEQ ID NOS: 1982
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1974
; LENGTH: 1212
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-099-926-1974

Alignment Scores:
Pred. No.: 6,23e-23 Length: 1212
Score: 200.50 Matches: 38
Percent Similarity: 97.44% Conservative: 0
Best Local Similarity: 97.44% Mismatches: 0
Query Match: 95.02% Indels: 1
DB: 15 Gaps: 1

US-09-052-855A-25 (1-38) x US-10-099-926-1974 (1-1212)

QY 1 ArgTrrLeu---AlaSerProThrLysGluIleGlnValLysLysTyrrLysCysGlyLeu 19
Db 318 CGCTGGCTGGCAGCCTCGCCCAAGGAGATCCAGGTTAAAGTACAAAGTGTGGCCTC 377
QY 20 IleLysProCysProAlaAsnTyrPheAlaPheLysIleCysSerGlyAlaAlaAsn 38
Db 378 ATCAAGCCCTGCCAGCCCACTACTTTGCGTTTAAATCTGCAGTGGGGCCGCCAAC 434

RESULT 4
US-09-946-374-414
; Sequence 414, Application US/09946374
; Publication No. US20030073129A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2830P1C1
; CURRENT APPLICATION NUMBER: US/09/946,374
; CURRENT FILING DATE: 2001-09-04
; PRIOR APPLICATION NUMBER: 60/098716
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098723
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098749
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098750
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098803
; PRIOR FILING DATE: 1998-09-02
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;	PRIOR FILING DATE:	1998-09-23	
;	PRIOR APPLICATION NUMBER:	60/101474	
;	PRIOR FILING DATE:	1998-09-23	
;	PRIOR APPLICATION NUMBER:	60/101475	
;	PRIOR FILING DATE:	1998-09-23	
;	PRIOR APPLICATION NUMBER:	60/101476	
;	PRIOR FILING DATE:	1998-09-23	
;	PRIOR APPLICATION NUMBER:	60/101477	
;	PRIOR FILING DATE:	1998-09-23	
;	PRIOR APPLICATION NUMBER:	60/101479	
;	PRIOR FILING DATE:	1998-09-23	
;	PRIOR APPLICATION NUMBER:	60/101738	
;	PRIOR FILING DATE:	1998-09-24	
;	PRIOR APPLICATION NUMBER:	60/101741	
;	PRIOR FILING DATE:	1998-09-24	
;	PRIOR APPLICATION NUMBER:	60/101743	
;	PRIOR FILING DATE:	1998-09-24	
;	PRIOR APPLICATION NUMBER:	60/101915	
;	PRIOR FILING DATE:	1998-09-24	
;	PRIOR APPLICATION NUMBER:	60/101916	
;	PRIOR FILING DATE:	1998-09-24	
;	PRIOR APPLICATION NUMBER:	60/102207	
;	PRIOR FILING DATE:	1998-09-29	
;	PRIOR APPLICATION NUMBER:	60/102240	
;	PRIOR FILING DATE:	1998-09-29	
;	PRIOR APPLICATION NUMBER:	60/102307	
;	PRIOR FILING DATE:	1998-09-29	
;	PRIOR APPLICATION NUMBER:	60/102330	
;	PRIOR FILING DATE:	1998-09-29	
;	PRIOR APPLICATION NUMBER:	60/102331	
;	PRIOR FILING DATE:	1998-09-29	
;	PRIOR APPLICATION NUMBER:	60/102484	
;	PRIOR FILING DATE:	1998-09-30	
;	PRIOR APPLICATION NUMBER:	60/102487	
;	PRIOR FILING DATE:	1998-09-30	
;	PRIOR APPLICATION NUMBER:	60/102570	
;	PRIOR FILING DATE:	1998-09-30	
;	PRIOR APPLICATION NUMBER:	60/102571	
;	PRIOR FILING DATE:	1998-09-30	
;	PRIOR APPLICATION NUMBER:	60/102684	
;	PRIOR FILING DATE:	1998-10-01	
;	PRIOR APPLICATION NUMBER:	60/102687	
;	PRIOR FILING DATE:	1998-10-01	
;	PRIOR APPLICATION NUMBER:	60/102965	
;	PRIOR FILING DATE:	1998-10-02	
;	PRIOR APPLICATION NUMBER:	60/103258	
;	PRIOR FILING DATE:	1998-10-06	
;	PRIOR APPLICATION NUMBER:	60/103314	
;	PRIOR FILING DATE:	1998-10-07	
;	PRIOR APPLICATION NUMBER:	60/103315	
;	PRIOR FILING DATE:	1998-10-07	
;	PRIOR APPLICATION NUMBER:	60/103328	
;	PRIOR FILING DATE:	1998-10-07	
;	PRIOR APPLICATION NUMBER:	60/103395	
;	PRIOR FILING DATE:	1998-10-07	
;	PRIOR APPLICATION NUMBER:	60/103396	
;	PRIOR FILING DATE:	1998-10-07	
;	PRIOR APPLICATION NUMBER:	60/103401	
;	PRIOR FILING DATE:	1998-10-07	
;	PRIOR APPLICATION NUMBER:	60/103449	
;	PRIOR FILING DATE:	1998-10-06	
;	PRIOR APPLICATION NUMBER:	60/103633	
;	PRIOR FILING DATE:	1998-10-08	
;	PRIOR APPLICATION NUMBER:	60/103678	
;	PRIOR FILING DATE:	1998-10-08	
;	PRIOR APPLICATION NUMBER:	60/103679	
;	PRIOR FILING DATE:	1998-10-08	
;	PRIOR APPLICATION NUMBER:	60/103711	
;	PRIOR FILING DATE:	1998-10-08	
;	PRIOR APPLICATION NUMBER:	60/104257	
;	PRIOR FILING DATE:	1998-10-14	
;	PRIOR APPLICATION NUMBER:	60/104987	
;	PRIOR FILING DATE:	1998-10-20	

; PRIOR APPLICATION NUMBER: 60/105000
 ; PRIOR FILING DATE: 1998-10-20
 ; PRIOR APPLICATION NUMBER: 60/105002
 ; PRIOR FILING DATE: 1998-10-20
 ; PRIOR APPLICATION NUMBER: 60/105104
 ; PRIOR FILING DATE: 1998-10-21
 ; PRIOR APPLICATION NUMBER: 60/105169
 ; PRIOR FILING DATE: 1998-10-22
 ; PRIOR APPLICATION NUMBER: 60/105266
 ; PRIOR FILING DATE: 1998-10-22
 ; PRIOR APPLICATION NUMBER: 60/105693
 ; PRIOR FILING DATE: 1998-10-26
 ; PRIOR APPLICATION NUMBER: 60/105694
 ; PRIOR FILING DATE: 1998-10-26
 ; PRIOR APPLICATION NUMBER: 60/105807

Alignment Scores:
 Pred. No.: 7.1e-23 Length: 1337
 Score: 200.50 Matches: 38
 Percent Similarity: 97.44% Conservative: 0
 Best Local Similarity: 97.44% Mismatches: 0
 Query Match: 95.02% Indels: 1
 DB: 10 Gaps: 1

US-09-052-855A-25 (1-38) x US-09-946-374-414 (1-1337)

QY 1 ArgTrrLeu---AlaSerProThrLysGluIleGlnValLysLysTyrlsCysGlyLeu 19
 |||||
 Db 423 CGCTGGCTGGCAGCCTCGCCCAAGGAGATCCAGTTAAAGTACAAAGTGTGGCCTC 482
 QY 20 IleLysProCysProAlaAsnTyrPheAlaPheLysIleCysSerGlyAlaAlaAsn 38
 |||||
 Db 483 ATCAAGCCCTGCCAGCCCAACTACTTTGGTTTAAATCTGCAGTGGGGCCGCCAAC 539

RESULT 5

US-10-015-395A-414
 ; Sequence 414, Application US/10015395A
 ; Publication No. US20040073015A1
 ; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan I.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth J.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; TITLE OF INVENTION: Acids Encoding the Same
 ; FILE REFERENCE: P2830P1C57
 ; CURRENT APPLICATION NUMBER: US/10/015,395A
 ; CURRENT FILING DATE: 2001-12-12
 ; Prior application removed - See file Wrapper or Palm
 ; NUMBER OF SEQ ID NOS: 477
 ; SEQ ID NO 414
 ; LENGTH: 1337
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-015-395A-414

Alignment Scores:
 Pred. No.: 7.1e-23 Length: 1337
 Score: 200.50 Matches: 38
 Percent Similarity: 97.44% Conservative: 0
 Best Local Similarity: 97.44% Mismatches: 0
 Query Match: 95.02% Indels: 1
 DB: 12 Gaps: 1

US-09-052-855A-25 (1-38) x US-10-015-395A-414 (1-1337)

QY 1 ArgTrrLeu---AlaSerProThrLysGluIleGlnValLysLysTyrlsCysGlyLeu 19
 |||||
 Db 423 CGCTGGCTGGCAGCCTCGCCCAAGGAGATCCAGTTAAAGTACAAAGTGTGGCCTC 482
 QY 20 IleLysProCysProAlaAsnTyrPheAlaPheLysIleCysSerGlyAlaAlaAsn 38
 |||||
 Db 483 ATCAAGCCCTGCCAGCCCAACTACTTTGGTTTAAATCTGCAGTGGGGCCGCCAAC 539

RESULT 6

US-10-147-493-459
 ; Sequence 459, Application US/10147493
 ; Publication No. US20040029217A1
 ; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: DeForge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K
 ; APPLICANT: Wood, William
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; TITLE OF INVENTION: ACIDS ENCODING THE SAME
 ; FILE REFERENCE: P3330R1C345
 ; CURRENT APPLICATION NUMBER: US/10/147,493
 ; CURRENT FILING DATE: 2002-05-17
 ; Prior Application removed - See File Wrapper or Palm
 ; NUMBER OF SEQ ID NOS: 550
 ; SEQ ID NO 459
 ; LENGTH: 1337
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 US-10-147-493-459

Alignment Scores:
 Pred. No.: 7.1e-23 Length: 1337
 Score: 200.50 Matches: 38
 Percent Similarity: 97.44% Conservative: 0
 Best Local Similarity: 97.44% Mismatches: 0
 Query Match: 95.02% Indels: 1
 DB: 13 Gaps: 1

US-09-052-855A-25 (1-38) x US-10-147-493-459 (1-1337)

QY 1 ArgTrrLeu---AlaSerProThrLysGluIleGlnValLysLysTyrlsCysGlyLeu 19
 |||||
 Db 423 CGCTGGCTGGCAGCCTCGCCCAAGGAGATCCAGTTAAAGTACAAAGTGTGGCCTC 482
 QY 20 IleLysProCysProAlaAsnTyrPheAlaPheLysIleCysSerGlyAlaAlaAsn 38
 |||||
 Db 483 ATCAAGCCCTGCCAGCCCAACTACTTTGGTTTAAATCTGCAGTGGGGCCGCCAAC 539

RESULT 7

US-10-145-127-459
 ; Sequence 459, Application US/10145127
 ; Publication No. US20040033558A1
 ; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: DeForge, Laura
 ; APPLICANT: Desnoyers, Luc


```
Db 483 ATCAGGCTGCGCCAGCCAACTACTTTGGCTTTAAATCTGCAGTGGGCGCGCAAC 539
|||||
RESULT 10
US-10-144-993-459
; Sequence 459, Application US/10144993
; Publication No. US20040038336A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C261
; CURRENT APPLICATION NUMBER: US/10/144,993
; CURRENT FILING DATE: 2002-05-13
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-144-993-459

Alignment Scores:
Pred. No.: 7.1e-23 Length: 1337
Score: 200.50 Matches: 38
Percent Similarity: 97.44% Conservative: 0
Best Local Similarity: 97.44% Mismatches: 0
Query Match: 95.02% Indels: 1
DB: 13 Gaps: 1

US-09-052-855A-25 (1-38) x US-10-144-993-459 (1-1337)
QY 1 ArgTrrPLeu---AlaSerProThrLysGluIleGlnValIlyslsYtrLysCysGlyLeu 19
|||||
Db 423 CGCTGGCTGGCAGCCTCGCCACCAGGAGATCCAGGTTAAAAAGTACAAGTGTGGCCTC 482
|||||
QY 20 IleLysProCysProAlaAsnTyrPheAlaPheLysIleCysSerGlyAlaAlaAsn 38
|||||
Db 483 ATCAGGCTGCGCCAGCCAACTACTTTGGCTTTAAATCTGCAGTGGGCGCGCAAC 539
|||||

RESULT 11
US-10-158-787-459
; Sequence 459, Application US/10158787
; Publication No. US20040039164A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
```

```
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C449
; CURRENT APPLICATION NUMBER: US/10/158,787
; CURRENT FILING DATE: 2003-04-03
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-158-787-459

Alignment Scores:
Pred. No.: 7.1e-23 Length: 1337
Score: 200.50 Matches: 38
Percent Similarity: 97.44% Conservative: 0
Best Local Similarity: 97.44% Mismatches: 0
Query Match: 95.02% Indels: 1
DB: 13 Gaps: 1

US-09-052-855A-25 (1-38) x US-10-158-787-459 (1-1337)
QY 1 ArgTrrPLeu---AlaSerProThrLysGluIleGlnValIlyslsYtrLysCysGlyLeu 19
|||||
Db 423 CGCTGGCTGGCAGCCTCGCCACCAGGAGATCCAGGTTAAAAAGTACAAGTGTGGCCTC 482
|||||
QY 20 IleLysProCysProAlaAsnTyrPheAlaPheLysIleCysSerGlyAlaAlaAsn 38
|||||
Db 483 ATCAGGCTGCGCCAGCCAACTACTTTGGCTTTAAATCTGCAGTGGGCGCGCAAC 539
|||||

RESULT 12
US-10-140-024-459
; Sequence 459, Application US/10140024
; Publication No. US2004005842A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
```

```
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C69
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-024-459

Alignment Scores:
Pred. No.: 7.1e-23 Length: 1337
Score: 200.50 Matches: 38
Percent Similarity: 97.44% Conservative: 0
Best Local Similarity: 97.44% Mismatches: 0
Query Match: 95.02% Indels: 1
DB: 13 Gaps: 1

US-09-052-855A-25 (1-38) x US-10-140-024-459 (1-1337)
QY 1 ArgTTPLeu---AlaSerProThrLysGluIleGlnValLysLysTyrLysCysGlyLeu 19
Db 423 CGCTGGCTGGCAGCTCGCCACCAAGAGATCCAGTTAAAAAGTACAAAGTGTGGCCTC 482
QY 20 IleLysProCysProAlaAsnTyrPheAlaPheLysIleCysSerGlyAlaAlaAsn 38
Db 483 ATCAAGCCCTGCCAGCCAACTACTTTGGTTTAAATCTGCAGTGGGGCGGCCAAC 539

RESULT 13
US-10-140-808-459
; Sequence 459, Application US/10140808
; Publication No. US20030017563A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C82
; CURRENT APPLICATION NUMBER: US/10/140,808
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-808-459

Alignment Scores:
Pred. No.: 7.1e-23 Length: 1337
Score: 200.50 Matches: 38
Percent Similarity: 97.44% Conservative: 0
Best Local Similarity: 97.44% Mismatches: 0
Query Match: 95.02% Indels: 1
DB: 13 Gaps: 1

US-09-052-855A-25 (1-38) x US-10-140-024-459 (1-1337)
QY 1 ArgTTPLeu---AlaSerProThrLysGluIleGlnValLysLysTyrLysCysGlyLeu 19
Db 423 CGCTGGCTGGCAGCTCGCCACCAAGAGATCCAGTTAAAAAGTACAAAGTGTGGCCTC 482
QY 20 IleLysProCysProAlaAsnTyrPheAlaPheLysIleCysSerGlyAlaAlaAsn 38
Db 483 ATCAAGCCCTGCCAGCCAACTACTTTGGTTTAAATCTGCAGTGGGGCGGCCAAC 539

RESULT 14
US-10-006-485A-414
; Sequence 414, Application US/10006485A
; Publication No. US20030064062A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2830P1C9
; CURRENT APPLICATION NUMBER: US/10/006,485A
; CURRENT FILING DATE: 2001-12-06
; Prior Application Number: 60/098716
; Prior Filing Date: 1998-09-01
; Prior Application Number: 60/098723
; Prior Filing Date: 1998-09-01
; Prior Application Number: 60/098749
; Prior Filing Date: 1998-09-01
; Prior Application Number: 60/098750
; Prior Filing Date: 1998-09-01
; Prior Application Number: 60/098803
; Prior Filing Date: 1998-09-02
; Prior Application Number: 60/098821
; Prior Filing Date: 1998-09-02
; Prior Application Number: 60/098843
; Prior Filing Date: 1998-09-02
; Prior Application Number: 60/099536
; Prior Filing Date: 1998-09-09
; Prior Application Number: 60/099596
; Prior Filing Date: 1998-09-09
; Prior Application Number: 60/099598
; Prior Filing Date: 1998-09-09
; Prior Application Number: 60/099602
; Prior Filing Date: 1998-09-09
; Prior Application Number: 60/099642
; Prior Filing Date: 1998-09-09
; Prior Application Number: 60/099741
; Prior Filing Date: 1998-09-10
; Prior Application Number: 60/099754
; Prior Filing Date: 1998-09-10
; Prior Application Number: 60/099763
; Prior Filing Date: 1998-09-10
; Prior Application Number: 60/099792
; Prior Filing Date: 1998-09-10
; Prior Application Number: 60/099808
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us-09-052-855a-25.rnpb

Mon Aug 30 09:23:29 2004

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Alignment Scores:

Pred. No.: 7.1e-23 Length: 1337
 Score: 200.50 Matches: 38
 Percent Similarity: 97.44% Conservative: 0
 Best Local Similarity: 97.44% Mismatches: 0
 Query Match: 95.02% Indels: 1
 DB: 13 Gaps: 1

US-09-052-855A-25 (1-38) x US-10-006-485A-414 (1-1337)

QY 1 ArgTrpLeu--AlaSerProThrLysGluLeGlnValLysLysTyrLysCysGlyLeu 19
 Db 423 CGCTGGCTGGCAGCCTCGCCACCAAGGATCCAGGTTAAAAAGTACAAAGTGTGGCCTC 482
 QY 20 IleLysProCysProAlaAsnTyrPheAlaPheLysIleCysSerGlyAlaAlaAsn 38
 Db 483 ATCAAGCCCTGCCAGCACTACTTTGCGTTTAAAAATCTGCAGTGGGGCGCCCAAC 539

RESULT 15

US-10-013-907A-414
 ; Sequence 414, Application US/10013907A
 ; Publication No. US20030064925A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Iuc
 ; APPLICANT: Eaton, Dan I.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth J.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; FILE REFERENCE: P2830PLC34
 ; CURRENT APPLICATION NUMBER: US/10/013,907A
 ; CURRENT FILING DATE: 2001-12-10
 ; Prior Application removed - See File Wrapper or Palm
 ; NUMBER OF SEQ ID NOS: 477
 ; SEQ ID NO 414
 ; LENGTH: 1337
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-013-907A-414

Alignment Scores:

Pred. No.: 7.1e-23 Length: 1337
 Score: 200.50 Matches: 38
 Percent Similarity: 97.44% Conservative: 0
 Best Local Similarity: 97.44% Mismatches: 0
 Query Match: 95.02% Indels: 1
 DB: 13 Gaps: 1

US-09-052-855A-25 (1-38) x US-10-013-907A-414 (1-1337)

QY 1 ArgTrpLeu--AlaSerProThrLysGluLeGlnValLysLysTyrLysCysGlyLeu 19
 Db 423 CGCTGGCTGGCAGCCTCGCCACCAAGGATCCAGGTTAAAAAGTACAAAGTGTGGCCTC 482
 QY 20 IleLysProCysProAlaAsnTyrPheAlaPheLysIleCysSerGlyAlaAlaAsn 38
 Db 483 ATCAAGCCCTGCCAGCACTACTTTGCGTTTAAAAATCTGCAGTGGGGCGCCCAAC 539

Search completed: August 28, 2004, 13:44:32
 Job time : 166.801 secs

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GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: August 28, 2004, 06:19:16 ; Search time 25.7586 Seconds
(without alignments)
840.227 Million cell updates/sec

Title: US-09-052-855A-26

Perfect score: 203

Sequence: 1 GPTMCFEDRMSPVKNVGRGLNIALVNGTTGAVLGQK 39

Scoring table:

BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:

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-DB=Issued_Patents_NA -QFWT=fastap -SUFFIX=rni -MINMATCH=0.1 -LOOFC=0
-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -DOALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
-MODE=LOCAL -OUTFMT=pct -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000
-USER=US09052855 @CGN 1 1 163 @runat_25082004_171005_17141 -NCPU=6 -ICPU=3
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-DEV_TIMEOUT=120 -WARN_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

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4: /cgn2_6/ptodata/2/ina/6B.COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCITUS.COMB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	140	69.0	548	4	US-09-224-110-6
4	140	69.0	548	5	PCT-US95-07289-6
5	136	67.0	2475	4	US-09-220-132-179
6	90	44.3	876	4	US-09-167-513-1
7	90	44.3	913	4	US-09-702-114A-1
8	90	44.3	948	4	US-09-247-155-50
9	90	44.3	948	4	US-09-599-360B-13
10	90	44.3	957	4	US-09-866-028-90
11	79	38.9	705	4	US-09-167-513-8
12	56	27.6	1993	4	US-09-071-035-243

c 13	56	27.6	3921	4	US-09-134-000C-3265	Sequence 3265, Ap
c 14	56	27.6	3924	4	US-09-071-035-233	Sequence 233, App
c 15	56	27.6	3924	4	US-09-071-035-237	Sequence 237, App
c 16	56	27.6	3924	4	US-09-071-035-241	Sequence 241, App
c 17	56	27.6	3927	4	US-09-134-000C-3183	Sequence 3183, App
c 18	54.5	26.8	764	6	5215903-7	Patent No. 5215909
c 19	54.5	26.8	2381	2	US-08-318-826A-9	Sequence 8, Appli
c 20	54.5	26.8	2400	6	5215909-13	Patent No. 5215909
c 21	54.5	26.8	2416	2	US-08-318-826A-8	Sequence 9, Appli
c 22	54.5	26.8	2416	3	US-09-334-489-1	Sequence 1, Appli
c 23	54.5	26.8	2416	3	US-09-334-489-2	Sequence 2, Appli
c 24	54.5	26.8	2445	6	5215909-9	Patent No. 5215909
c 25	53.5	26.4	297	4	US-09-543-681A-3109	Sequence 3109, Ap
c 26	53.5	26.4	339	4	US-09-543-681A-3103	Sequence 3103, Ap
c 27	53.5	26.4	363	4	US-09-543-681A-3090	Sequence 3090, Ap
c 28	52.5	25.9	1178	2	US-08-107-676-26	Sequence 26, Appl
c 29	52.5	25.9	1178	4	US-09-295-820-26	Sequence 26, Appl
c 30	52.5	25.9	1211	2	US-08-107-676-2	Sequence 2, Appli
c 31	52.5	25.9	1211	4	US-09-295-820-2	Sequence 2, Appli
c 32	52.5	25.9	4403765	3	US-09-103-840A-2	Sequence 1, Appli
c 33	52.5	25.9	4411529	3	US-09-103-840A-1	Sequence 1, Appli
c 34	52	25.6	1230	1	US-08-792-283A-1	Sequence 1, Appli
c 35	52	25.6	1230	2	US-09-105-908-1	Sequence 1, Appli
c 36	52	25.6	1230	3	US-09-271-713-1	Sequence 1, Appli
c 37	52	25.6	5053	2	US-08-685-576-2	Sequence 2, Appli
c 38	51	25.1	2455	3	US-09-103-429A-1	Sequence 1, Appli
c 39	51	25.1	2821	3	US-09-103-429A-2	Sequence 2, Appli
c 40	51	25.1	4221	1	US-07-947-120-7	Sequence 7, Appli
c 41	51	25.1	4221	1	US-08-472-893A-7	Sequence 7, Appli
c 42	51	25.1	4221	3	US-08-947-492-7	Sequence 7, Appli
c 43	51	25.1	4242	4	US-09-023-655-1365	Sequence 1365, Ap
c 44	51	25.1	4244	2	US-08-460-694-1	Sequence 1, Appli
c 45	51	25.1	4244	3	US-08-460-744-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-045-193-1
; Sequence 1, Application US/09045193
; Patent No. 6245550
; GENERAL INFORMATION:
; APPLICANT: HENSLEY, PRESTON
; APPLICANT: ROSE, GEORGE
; APPLICANT: AURORA, RAJEEV
; APPLICANT: ABDEL-MEGUID, SHERIN
; APPLICANT: YOUNG, PETER
; APPLICANT: ZHU, YUAN
; APPLICANT: MOONEY, JEFFREY
; APPLICANT: BERGSMAN, DEBK
; APPLICANT: GUERRERA, STEPHANIE
; APPLICANT: ELLIS, CATHERINE
; TITLE OF INVENTION: The Cytokine Family Member
; TITLE OF INVENTION: EF-7
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ratner & Prestia
; STREET: P.O. Box 980
; CITY: Valley Forge
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/045,193
; FILING DATE: 20-MAR-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:

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;
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Prestia, Paul F
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: GP-70421
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0701
;
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1067 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
US-09-045-193-1
;
; Alignment Scores:
; Pred. No.: 2,4e-26 Length: 1067
; Score: 203.00 Matches: 39
; Percent Similarity: 100.00% Conservative: 0
; Best Local Similarity: 100.00% Mismatches: 0
; Query Match: 100.00% Indels: 0
; DB: 3 Gaps: 0
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US-09-052-855A-26 (1-39) x US-09-045-193-1 (1-1067)
QY 1 GlyProThrMetCysPheGluAspArgMetIleMetSerProValIysAsnValGly 20
DB 279 GGCCCTACTATGTGCTTTGAAGACCGCATGATCATGAGTCCTGTGAAAAACAATGTGGGC 338
;
QY 21 ArgGlyLeuAsnIleAlaLeuValAsnGlyThrGlyAlaValLeuGlyGlnIys 39
DB 339 AGAGGCCTAAACATCGCCCTGCTGTAATGGAACACCGGAGCTGTGCTGGACAGAAG 395
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RESULT 2
US-08-469-667-6
; Sequence 6, Application US/08469667
; Patent No. 5733748
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Rosen, Craig
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
; ADDRESSEE: Stewart & Olstein
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 06-JUN-1995
; APPLICATION NUMBER: US/08/469,667
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-435
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 548 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; FEATURE:
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; FEATURE:
; NAME/KEY: mat peptide
; LOCATION: 1..405
US-08-469-667-6
;
; Alignment Scores:
; Pred. No.: 1.42e-15 Length: 548
; Score: 140.00 Matches: 28
; Percent Similarity: 100.00% Conservative: 0
; Best Local Similarity: 100.00% Mismatches: 0
; Query Match: 68.97% Indels: 0
; DB: 1 Gaps: 0
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US-09-052-855A-26 (1-39) x US-08-469-667-6 (1-548)
QY 12 MetSerProValIysAsnAsnValGlyArgGlyLeuAsnIleAlaLeuValAsnGlyThr 31
DB 1 ATGAGTCCTGTGAAAAACAATGTGGCAGAGCCCTAAACATGCCCTGGTGAATGGAACC 60
;
QY 32 ThrGlyAlaValLeuGlyGlnIys 39
DB 61 ACGGGAGCTGTGCTGGACAGAAG 84
;
RESULT 3
US-09-224-110-6
; Sequence 6, Application US/09224110
; Patent No. 6337195
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Rosen, Craig
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
; ADDRESSEE: Stewart & Olstein
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: US/09/224,110
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/469,667
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-435
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 548 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; FEATURE:
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/ NAME/KEY: CDS
/ LOCATION: 1..405
/ FEATURE:
/ NAME/KEY: mat peptide
/ LOCATION: 1..405
US-09-224-110-6

Alignment Scores:

Pred. No.: 1.42e-15 Length: 548
Score: 140.00 Matches: 28
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 68.97% Indels: 0
DB: 4 Gaps: 0

US-09-052-855A-26 (1-39) x US-09-224-110-6 (1-548)

QY 12 MetSerProVallysAsnValGlyArgGlyLeuAsnIleAlaLeuValAsnGlyThr 31
Db 1 ATGAGTCCTGTGAAAAACAATGTGGCAGAGGCTAAACATCGCCCTGTGTAATGAACC 60
QY 32 ThrGlyAlaValLeuGlyGlnLys 39
Db 61 ACGGGAGCTGTGCTGGGACAGAAG 84

RESULT 4

PCT-US95-07289-6
/ Sequence 6, Application PC/TUS9507289
/ GENERAL INFORMATION:
/ APPLICANT: Yu, Guo-Liang
/ APPLICANT: Rosen, Craig
/ TITLE OF INVENTION: Colon Specific Genes and Proteins
/ NUMBER OF SEQUENCES: 24
/ CORRESPONDENCE ADDRESS:
/ ADDRESSES: Carella, Byrne, Bain, Gilfillan, Cecchi,
/ ADDRESSES: Stewart & Olstein
/ STREET: 6 Becker Farm Road
/ CITY: Roseland
/ STATE: NJ
/ COUNTRY: USA
/ ZIP: 07068-1739
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: PCT/US95/07289
/ FILING DATE: 06-JUN-1995
/ CLASSIFICATION:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Ferraro, Gregory D.
/ REGISTRATION NUMBER: 36,134
/ REFERENCE/DOCKET NUMBER: 325800-265
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 201-994-1700
/ TELEFAX: 201-994-1744
/ INFORMATION FOR SEQ ID NO: 6:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 548 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: cDNA
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 1..405
/ FEATURE:
/ NAME/KEY: mat peptide
/ LOCATION: 1..405
PCT-US95-07289-6

Alignment Scores:

Pred. No.: 1.42e-15 Length: 548
Score: 140.00 Matches: 28
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 68.97% Indels: 0
DB: 5 Gaps: 0

US-09-052-855A-26 (1-39) x PCT-US95-07289-6 (1-548)

QY 12 MetSerProVallysAsnValGlyArgGlyLeuAsnIleAlaLeuValAsnGlyThr 31
Db 1 ATGAGTCCTGTGAAAAACAATGTGGCAGAGGCTAAACATCGCCCTGTGTAATGAACC 60
QY 32 ThrGlyAlaValLeuGlyGlnLys 39
Db 61 ACGGGAGCTGTGCTGGGACAGAAG 84

RESULT 5

US-09-220-132-179
/ Sequence 179, Application US/09220132
/ Patent No. 6506607
/ GENERAL INFORMATION:
/ APPLICANT: Shv'ian, Andrew W.
/ TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE IDENTIFICATION AND ASSESSMENT
/ OF PROSTATE CANCER THERAPIES AND THE DIAGNOSIS OF PROSTATE CANCER
/ FILE REFERENCE: 07334-074001
/ CURRENT APPLICATION NUMBER: US/09/220,132
/ CURRENT FILING DATE: 1998-12-23
/ PRIOR APPLICATION NUMBER: US 60/079,303
/ PRIOR FILING DATE: 1998-03-25
/ PRIOR APPLICATION NUMBER: US 60/068,821
/ PRIOR FILING DATE: 1997-12-24
/ NUMBER OF SEQ ID NOS: 191
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 179
/ LENGTH: 2475
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-220-132-179

Alignment Scores:

Pred. No.: 6.16e-14 Length: 2475
Score: 136.00 Matches: 25
Percent Similarity: 76.92% Conservative: 5
Best Local Similarity: 64.10% Mismatches: 9
Query Match: 67.00% Indels: 0
DB: 4 Gaps: 0

US-09-052-855A-26 (1-39) x US-09-220-132-179 (1-2475)

QY 1 GlyProThrMetCysPheGluAspArgMetIleMetSerProVallysAsnValGly 20
Db 411 GGACCCAAATCTGCCTGGAGATAATGTTTATAGTGTGTAGATAATGTTGGA 470
QY 21 ArgGlyLeuAsnIleAlaLeuValAsnGlyThrGlyAlaValLeuGlyGlnLys 39
Db 471 AGAGGATCAATGTTCCTTGGCAATGGAAAAACAGGAGAAGTATTAGACACTAAA 527

RESULT 6

US-09-167-513-1
/ Sequence 1, Application US/09167513
/ Patent No. 6388064
/ GENERAL INFORMATION:
/ APPLICANT: Conklin, Darrell C.
/ APPLICANT: Blumberg, Hal
/ TITLE OF INVENTION: A HUMAN 2-19 PROTEIN HOMOLOGUE, Z219A
/ FILE REFERENCE: 97-63
/ CURRENT APPLICATION NUMBER: US/09/167,513
/ CURRENT FILING DATE: 1998-10-06
/ EARLIER APPLICATION NUMBER: US 60/061,712
/ EARLIER FILING DATE: 1997-10-06
/ NUMBER OF SEQ ID NOS: 28
/ SOFTWARE: FastSeq for Windows Version 3.0

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; SEQ ID NO 1
; LENGTH: 876
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (119)...(823)
US-09-167-513-1

Alignment Scores:
Pred. No.: 2,07e-06 Length: 876
Score: 90.00 Matches: 17
Percent Similarity: 68.75% Conservatives: 5
Best Local Similarity: 53.12% Mismatches: 10
Query Match: 44.33% Indels: 0
DB: Gaps: 0

US-09-052-855A-26 (1-39) x US-09-167-513-1 (1-876)
QY 4 MetCysPheGluAspArgMetIleMetSerProValIysAsnValGlyArgGlyLeu 23
Db 386 ATCTGCTTTGAGGATAAACCTACTTATGGGAGAACAGCTGGGAAATGTTGCCAGAGGAATA 445

QY 24 AsnIleAlaLeuValAsnGlyThrThrGlyAlaVal 35
Db 446 AACATTGCCATTGTCAACTATGTACTGGGAATGTG 481

RESULT 7
US-09-702-114A-1
; Sequence 1, Application US/09702114A
; Patent No. 6566078
; GENERAL INFORMATION:
; APPLICANT: Arthur B. Raitano
; APPLICANT: Aya Jakobovits
; APPLICANT: Mary Paris
; APPLICANT: Daniel E.H. Afar
; APPLICANT: Rene S. Hubert
; APPLICANT: Steve Chappell Mitchell
; TITLE OF INVENTION: 36P6D5: SECRETED TUMOR ANTIGEN
; FILE REFERENCE: 129-22-US-U1
; CURRENT APPLICATION NUMBER: US/09/702,114A
; CURRENT FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: 60/162,417
; PRIOR FILING DATE: 1999-10-28
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 913
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-09-702-114A-1

Alignment Scores:
Pred. No.: 2,19e-06 Length: 913
Score: 90.00 Matches: 17
Percent Similarity: 68.75% Conservatives: 5
Best Local Similarity: 53.12% Mismatches: 10
Query Match: 44.33% Indels: 0
DB: Gaps: 4

US-09-052-855A-26 (1-39) x US-09-702-114A-1 (1-913)
QY 4 MetCysPheGluAspArgMetIleMetSerProValIysAsnValGlyArgGlyLeu 23
Db 326 ATCTGCTTTGAGGATAAACCTACTTATGGGAGAACAGCTGGGAAATGTTGCCAGAGGAATA 385

QY 24 AsnIleAlaLeuValAsnGlyThrThrGlyAlaVal 35
Db 386 AACATTGCCATTGTCAACTATGTACTGGGAATGTG 421

RESULT 8
US-09-247-155-50
; Sequence 50, Application US/09247155A
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; Patent No. 6312922
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, Jean-Baptiste
; APPLICANT: Duclert, Aymeric
; APPLICANT: Bougueleret, Lydie
; TITLE OF INVENTION: Complementary DNAs
; FILE REFERENCE: GENSET.021A
; CURRENT APPLICATION NUMBER: US/09/247,155A
; CURRENT FILING DATE: 1999-02-09
; EARLIER APPLICATION NUMBER: 60/074,121
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/081,563
; EARLIER FILING DATE: 1998-04-13
; EARLIER APPLICATION NUMBER: 60/096,116
; EARLIER FILING DATE: 1998-08-10
; EARLIER APPLICATION NUMBER: 60/099,273
; EARLIER FILING DATE: 1998-10-04
; NUMBER OF SEQ ID NOS: 182
; SOFTWARE: Patent.pm
; SEQ ID NO 50
; LENGTH: 948
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 80..784
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: 80..139
; OTHER INFORMATION: Von Heijne matrix
; OTHER INFORMATION: score 4
; OTHER INFORMATION: seq LLKVFVWFASLC/AW
; FEATURE:
; NAME/KEY: polyA_signal
; LOCATION: 910..915
; FEATURE:
; NAME/KEY: polyA_site
; LOCATION: 933..948
; US-09-247-155-50

Alignment Scores:
Pred. No.: 2,31e-06 Length: 948
Score: 90.00 Matches: 17
Percent Similarity: 68.75% Conservatives: 5
Best Local Similarity: 53.12% Mismatches: 10
Query Match: 44.33% Indels: 0
DB: Gaps: 4

US-09-052-855A-26 (1-39) x US-09-247-155-50 (1-948)
QY 4 MetCysPheGluAspArgMetIleMetSerProValIysAsnValGlyArgGlyLeu 23
Db 347 ATCTGCTTTGAGGATAAACCTACTTATGGGAGAACAGCTGGGAAATGTTGCCAGAGGAATA 406

QY 24 AsnIleAlaLeuValAsnGlyThrThrGlyAlaVal 35
Db 407 AACATTGCCATTGTCAACTATGTACTGGGAATGTG 442

RESULT 9
US-09-599-360B-13
; Sequence 13, Application US/09599360B
; Patent No. 6548633
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Bougueleret, L.
; APPLICANT: Jobert, S.
; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
; FILE REFERENCE: GENSET.050CP3
; CURRENT APPLICATION NUMBER: US/09/599,360B
; CURRENT FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: 60/113,686
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/141,032
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; PRIOR FILLING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/469,099
; PRIOR FILLING DATE: 1999-12-21
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: Patent.pm
; SEQ ID NO 13
; LENGTH: 948
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 80..784
; NAME/KEY: sig_peptide
; LOCATION: 80..139
; OTHER INFORMATION: Von Heijne matrix
; OTHER INFORMATION: score 4
; OTHER INFORMATION: seq LLKVVFVFASLC/AW
; NAME/KEY: polyA_signal
; LOCATION: 910..915
; NAME/KEY: polyA_site
; LOCATION: 933..948
US-09-599-360B-13

Alignment Scores:
Pred. No.: 2.31e-06 Length: 948
Score: 90.00 Matches: 17
Percent Similarity: 68.75% Conservative: 5
Best Local Similarity: 53.12% Mismatches: 10
Query Match: 44.33% Indels: 0
DB: 4 Gaps: 0

US-09-052-855A-26 (1-39) x US-09-599-360B-13 (1-948)
QY 4 MetCysPheGluAspArgMetIleMetSerProValLysAsnValGlyArgGlyLeu 23
Db 347 ATCTGCTTTGAGATAACCTACTTATGGGAGAACAGCTGGGAATGTTGCCAGAGGAATA 406
QY 24 AsnIleAlaLeuValAsnGlyThrThrGlyAlaVal 35
Db 407 AACATTGCCATTGTCAACTATGTAAGTGGGAATGTG 442

RESULT 10
US-09-866-028-90
; Sequence 90, Application US/09866028
; Patent No. 6642360
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
; APPLICANT: Botstein, David
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Hillan, Kenneth
; APPLICANT: Kljavin, Ivar
; APPLICANT: Napier, Mary
; APPLICANT: Roy, Margaret
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P2548P1C1
; CURRENT APPLICATION NUMBER: US/09/866,028
; PRIOR APPLICATION DATE: 2001-05-25
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 120
; SEQ ID NO 90
; LENGTH: 957
; TYPE: DNA
; ORGANISM: Homo Sapien
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US-09-866-028-90

Alignment Scores:
Pred. No.: 2.34e-06 Length: 957
Score: 90.00 Matches: 17
Percent Similarity: 68.75% Conservative: 5
Best Local Similarity: 53.12% Mismatches: 10
Query Match: 44.33% Indels: 0
DB: 4 Gaps: 0

US-09-052-855A-26 (1-39) x US-09-866-028-90 (1-957)

QY 4 MetCysPheGluAspArgMetIleMetSerProValLysAsnValGlyArgGlyLeu 23
Db 276 ATCTGCTTTGAGATAACCTACTTATGGGAGAACAGCTGGGAATGTTGCCAGAGGAATA 335
QY 24 AsnIleAlaLeuValAsnGlyThrThrGlyAlaVal 35
Db 336 ACATTGCCATTGTCAACTATGTAAGTGGGAATGTG 371

RESULT 11

US-09-167-513-8
; Sequence 8, Application US/09167513
; Patent No. 6388064
; GENERAL INFORMATION:
; APPLICANT: Conklin, Darrell C.
; APPLICANT: Blumberg, Hal
; TITLE OF INVENTION: A HUMAN 2-19 PROTEIN HOMOLOGUE, Z219A
; FILE REFERENCE: 97-63
; CURRENT APPLICATION NUMBER: US/09/167,513
; CURRENT FILING DATE: 1998-10-06
; EARLIER APPLICATION NUMBER: US 60/061,712
; EARLIER FILING DATE: 1997-10-06
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 705
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: variation
; LOCATION: (1)....(705)
; OTHER INFORMATION: Z219a Degenerate polynucleotide sequence
; OTHER INFORMATION: N is any nucleotide
US-09-167-513-8

Alignment Scores:
Pred. No.: 0.000136 Length: 705
Score: 79.00 Matches: 16
Percent Similarity: 59.38% Conservative: 3
Best Local Similarity: 50.00% Mismatches: 13
Query Match: 38.92% Indels: 0
DB: 4 Gaps: 0

US-09-052-855A-26 (1-39) x US-09-167-513-8 (1-705)

QY 4 MetCysPheGluAspArgMetIleMetSerProValLysAsnValGlyArgGlyLeu 23
Db 268 ATHTGTYTGARGAYAAVYNTYNTATGGGAGCARTYNGNAAAYGTGCMNGNGNATH 327
QY 24 AsnIleAlaLeuValAsnGlyThrThrGlyAlaVal 35
Db 328 AAYATHGNCNATHGTNAAYTAYGTNACNGGNAAYGTN 363

RESULT 12

US-09-071-035-243/c
; Sequence 243, Application US/09071035
; Patent No. 6448043
; GENERAL INFORMATION:
; APPLICANT: Gil H. Choi
; TITLE OF INVENTION: Enterococcus faecalis Polynucleotides and Polypeptides
; NUMBER OF SEQUENCES: 496
; CORRESPONDENCE ADDRESS:

ADDRESSSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,035
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: A. Anders Brooks
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PB369P2
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 243:
SEQUENCE CHARACTERISTICS:
LENGTH: 1993 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-09-071-035-243
Alignment Scores:
Pred. No.: 1993
Score: 7.17
Length: 1993
Matches: 14
Conservative: 2
Best Local Similarity: 50.00%
Query Match: 43.75%
Indels: 6
Gaps: 1
US-09-052-855A-26 (1-39) x US-09-071-035-243 (1-1993)
QY 3 ThrMetCysPheGluAspArgMetIleMetSerProValIysAsnValGlyArgGly 22
Db 1911 ACATTTTGTGTTT-----TCGCCTGTTTGGCGCAATTCCTGCTACTGCTGCT 1870
QY 23 LeuAsnIleAlaLeuValAsnGlyThrThrGlyAla 34
Db 1869 CTTCGCTTTTCTACCACTAATGGCTCTACTGCTGCT 1834
RESULT 13
US-09-134-000C-3265/c
Sequence 3265, Application US/09134000C
Patent No. 8617156
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
FILE REFERENCE: 032796-032
CURRENT APPLICATION NUMBER: US/09/134,000C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/055,778
PRIOR FILING DATE: 1997-08-15
NUMBER OF SEQ ID NOS: 6812
SOFTWARE: PatentIn version 3.1
SEQ ID NO 3265
LENGTH: 3921
TYPE: DNA
ORGANISM: Enterococcus faecalis
US-09-134-000C-3265
Alignment Scores:
Pred. No.: 3921
Score: 18.7
Length: 3921
Matches: 14
Conservative: 2
Best Local Similarity: 50.00%
Query Match: 43.75%
Indels: 10
Gaps: 6
US-09-052-855A-26 (1-39) x US-09-071-035-233 (1-3924)
QY 3 ThrMetCysPheGluAspArgMetIleMetSerProValIysAsnValGlyArgGly 22
Db 3842 ACATTTTGTGTTT-----TCGCCTGTTTGGCGCAATTCCTGCTACTGCTGCT 3762

Pred. No.: 18.7
Score: 56.00
Length: 3921
Matches: 14
Conservative: 2
Best Local Similarity: 50.00%
Query Match: 43.75%
Indels: 10
Gaps: 6
US-09-052-855A-26 (1-39) x US-09-134-000C-3265 (1-3921)
QY 3 ThrMetCysPheGluAspArgMetIleMetSerProValIysAsnValGlyArgGly 22
Db 3839 ACATTTTGTGTTT-----TCGCCTGTTTGGCGCAATTCCTGCTACTGCTGCT 3798
QY 23 LeuAsnIleAlaLeuValAsnGlyThrThrGlyAla 34
Db 3797 CTTCGCTTTTCTACCACTAATGGCTCTACTGCTGCT 3762
RESULT 14
US-09-071-035-233/c
Sequence 233, Application US/09071035
Patent No. 6448043
GENERAL INFORMATION:
APPLICANT: Gil H. Choi
TITLE OF INVENTION: Enterococcus faecalis Polynucleotides and Polypeptides
NUMBER OF SEQUENCES: 496
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,035
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: A. Anders Brooks
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PB369P2
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 233:
SEQUENCE CHARACTERISTICS:
LENGTH: 3924 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-09-071-035-233
Alignment Scores:
Pred. No.: 18.7
Score: 56.00
Length: 3924
Matches: 14
Conservative: 2
Best Local Similarity: 50.00%
Query Match: 43.75%
Indels: 10
Gaps: 6
US-09-052-855A-26 (1-39) x US-09-071-035-233 (1-3924)
QY 3 ThrMetCysPheGluAspArgMetIleMetSerProValIysAsnValGlyArgGly 22
Db 3842 ACATTTTGTGTTT-----TCGCCTGTTTGGCGCAATTCCTGCTACTGCTGCT 3801

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OM protein - nucleic search, using frame_plus_p2n model

Run on: August 28, 2004, 09:09:25 ; Search time 169.138 Seconds

(without alignments)
1134.788 Million cell updates/sec

Title: US-09-052-855A-26

Perfect score: 203

Sequence: 1 GPTMCFEDRMIMSPKNNVGRGLNIALVNGTTGAVLGQK 39

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
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Searched: 3237270 seqs, 2460713050 residues

Total number of hits satisfying chosen parameters: 6474540

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-DB=Published Applications NA -QFMT=fastap -SUFFIX=rnpb -MINMATCH=0.1
-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=blosum62
-TRANS=human40.cdi -LIST=45 -DOCLIGN=200 -THR SCORE=pct -THR MAX=100
-MAXLEN=2000000000 -USER=US09052855 @CGN_1_1 968 @runat 25082004 171006 17179
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-LONGLOG -DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5
-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications NA.*

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7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq.*
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9: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq.*
10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq.*
11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq.*
12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq.*
13: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq.*
14: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq.*
15: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq.*
16: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq.*
17: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq.*
18: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*
19: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Score	Length	DB ID	Description
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1	203	100.0	207	9	US-09-922-217-431	Sequence 431, App
2	203	100.0	207	9	US-09-833-263-431	Sequence 431, App
3	203	100.0	207	9	US-09-878-178-492	Sequence 492, App
4	203	100.0	207	9	US-09-878-178-493	Sequence 493, App
5	203	100.0	207	9	US-09-878-178-882	Sequence 882, App
6	203	100.0	207	13	US-09-878-722-20	Sequence 20, Appl
7	203	100.0	207	13	US-09-904-456-20	Sequence 20, Appl
8	203	100.0	207	14	US-10-046-935-492	Sequence 492, App
9	203	100.0	207	14	US-10-046-935-493	Sequence 493, App
10	203	100.0	207	14	US-10-046-935-882	Sequence 882, App
11	203	100.0	207	14	US-10-025-380-431	Sequence 431, App
12	203	100.0	207	15	US-10-146-502-492	Sequence 492, App
13	203	100.0	207	15	US-10-146-502-493	Sequence 493, App
14	203	100.0	207	15	US-10-146-502-882	Sequence 882, App
15	203	100.0	258	15	US-10-066-543-2722	Sequence 2722, App
16	203	100.0	521	15	US-10-106-698-1997	Sequence 1997, App
17	203	100.0	1019	15	US-10-106-698-2121	Sequence 2121, App
18	203	100.0	1078	13	US-10-276-774-872	Sequence 872, App
19	203	100.0	1212	15	US-10-099-926-1974	Sequence 1974, App
20	203	100.0	1221	17	US-10-764-100-1	Sequence 1, Appli
21	203	100.0	1337	10	US-09-946-374-414	Sequence 414, App
22	203	100.0	1337	12	US-10-015-395A-414	Sequence 414, App
23	203	100.0	1337	13	US-10-147-493-459	Sequence 459, App
24	203	100.0	1337	13	US-10-145-127-459	Sequence 459, App
25	203	100.0	1337	13	US-10-160-503-459	Sequence 459, App
26	203	100.0	1337	13	US-10-143-118-459	Sequence 459, App
27	203	100.0	1337	13	US-10-144-993-459	Sequence 459, App
28	203	100.0	1337	13	US-10-158-787-459	Sequence 459, App
29	203	100.0	1337	13	US-10-140-024-459	Sequence 459, App
30	203	100.0	1337	13	US-10-140-808-459	Sequence 459, App
31	203	100.0	1337	13	US-10-006-485A-414	Sequence 414, App
32	203	100.0	1337	13	US-10-013-907A-414	Sequence 414, App
33	203	100.0	1337	13	US-10-015-499A-414	Sequence 414, App
34	203	100.0	1337	13	US-10-152-405-459	Sequence 459, App
35	203	100.0	1337	13	US-10-127-852A-459	Sequence 459, App
36	203	100.0	1337	13	US-10-127-900A-459	Sequence 459, App
37	203	100.0	1337	13	US-10-128-685A-459	Sequence 459, App
38	203	100.0	1337	13	US-10-226-254A-414	Sequence 414, App
39	203	100.0	1337	13	US-10-131-820A-459	Sequence 459, App
40	203	100.0	1337	13	US-10-142-886-459	Sequence 459, App
41	203	100.0	1337	13	US-10-146-728-459	Sequence 459, App
42	203	100.0	1337	13	US-10-147-499-459	Sequence 459, App
43	203	100.0	1337	13	US-10-157-798-459	Sequence 459, App
44	203	100.0	1337	13	US-10-028-072-459	Sequence 459, App
45	203	100.0	1337	15		

ALIGNMENTS

RESULT 1

US-09-922-217-431
; Sequence 431, Application US/09922217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stoik, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yugu
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124

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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 431
; LENGTH: 207
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-922-217-431

Alignment Scores:
Pred. No.:      1.1e-26      Length:      207
Score:          203.00      Matches:      39
Percent Similarity: 100.00%  Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match:    100.00%     Indels:      0
DB:             9          Gaps:        0

US-09-052-855A-26 (1-39) x US-09-922-217-431 (1-207)

QY      1 GlyProThrMetCysPheGluAspArgMetIleMetSerProValIysAsnValGly 20
Db      78 GGCCCTACTATGCTTTGAAGACCGCATGATCATGAGTCCTGTGAAAAACAATGTGGGC 137

QY      21 ArgGlyLeuAsnIleAlaLeuValAsnGlyThrGlyAlaValLeuGlyGlnLys 39
Db      138 AGAGGCCTAAACATCGCCCTGGTGAATGGAACCAACCGGAGCTGTGCTGGACAGAAG 194

RESULT 2
US-09-833-263-431
; Sequence 431, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 431
; LENGTH: 207
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-833-263-431

Alignment Scores:
Pred. No.:      1.1e-26      Length:      207
Score:          203.00      Matches:      39
Percent Similarity: 100.00%  Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match:    100.00%     Indels:      0
DB:             9          Gaps:        0

US-09-052-855A-26 (1-39) x US-09-833-263-431 (1-207)

QY      1 GlyProThrMetCysPheGluAspArgMetIleMetSerProValIysAsnValGly 20
Db      78 GGCCCTACTATGCTTTGAAGACCGCATGATCATGAGTCCTGTGAAAAACAATGTGGGC 137

QY      21 ArgGlyLeuAsnIleAlaLeuValAsnGlyThrGlyAlaValLeuGlyGlnLys 39
Db      138 AGAGGCCTAAACATCGCCCTGGTGAATGGAACCAACCGGAGCTGTGCTGGACAGAAG 194

RESULT 3
US-09-878-178-492/c
; Sequence 492, Application US/09878178
; Patent No. US20020177552A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Secrist, Heather

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.527
; CURRENT APPLICATION NUMBER: US/09/878,178
; CURRENT FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 2237
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 493
; LENGTH: 207
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-878-178-493

Alignment Scores:
Pred. No.:      1.1e-26      Length:      207
Score:          203.00      Matches:      39
Percent Similarity: 100.00%  Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match:    100.00%     Indels:      0
DB:             9          Gaps:        0

US-09-052-855A-26 (1-39) x US-09-878-178-493 (1-207)

QY      1 GlyProThrMetCysPheGluAspArgMetIleMetSerProValIysAsnValGly 20
Db      78 GGCCCTACTATGCTTTGAAGACCGCATGATCATGAGTCCTGTGAAAAACAATGTGGGC 137

QY      21 ArgGlyLeuAsnIleAlaLeuValAsnGlyThrGlyAlaValLeuGlyGlnLys 39
Db      138 AGAGGCCTAAACATCGCCCTGGTGAATGGAACCAACCGGAGCTGTGCTGGACAGAAG 194

RESULT 4
US-09-878-178-493
; Sequence 493, Application US/09878178
; Patent No. US20020177552A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.527
; CURRENT APPLICATION NUMBER: US/09/878,178
; CURRENT FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 2237
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 493
; LENGTH: 207
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-878-178-493

Alignment Scores:
Pred. No.:      1.1e-26      Length:      207
Score:          203.00      Matches:      39
Percent Similarity: 100.00%  Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match:    100.00%     Indels:      0
DB:             9          Gaps:        0

US-09-052-855A-26 (1-39) x US-09-878-178-492 (1-207)

QY      1 GlyProThrMetCysPheGluAspArgMetIleMetSerProValIysAsnValGly 20
Db      130 GGCCCTACTATGCTTTGAAGACCGCATGATCATGAGTCCTGTGAAAAACAATGTGGGC 71

QY      21 ArgGlyLeuAsnIleAlaLeuValAsnGlyThrGlyAlaValLeuGlyGlnLys 39
Db      70 AGAGGCCTAAACATCGCCCTGGTGAATGGAACCAACCGGAGCTGTGCTGGACAGAAG 14

RESULT 5
US-09-878-178-882/c
; Sequence 882, Application US/09878178
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QY 1 GlyProThrMetCysPheGluAspArgMetIleMetSerProValLysAsnAsnValGly 20
Db 78 GGCCTACTATGTCCTTTGAAGACCGCATGATCATGAGTCCTGTGAAAAACAATGTGGC 133
QY 21 ArgGlyLeuAsnIleAlaLeuValAsnGlyThrThrGlyAlaValLeuGlyGlnLys 39
Db 138 AGAGGCCTAAACATCGCCCTGGTGAATGAACACCGGAGCTGTGCTGGACAGAG 194

RESULT 7
US-09-904-456-20
; Sequence 20, Application US/09904456
; Publication No. US20030017167A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.524C1
; CURRENT APPLICATION NUMBER: US/09/904,456
; CURRENT FILING DATE: 2001-07-11
; NUMBER OF SEQ ID NOS: 247
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
; LENGTH: 207
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-904-456-20

Alignment Scores:
Pred. No.: 1,1e-26 Length: 207
Score: 203.00 Matches: 39
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 13 Gaps: 0

US-09-052-855A-26 (1-39) x US-09-904-456-20 (1-207)

QY 1 GlyProThrMetCysPheGluAspArgMetIleMetSerProValLysAsnAsnValGly 20
Db 78 GGCCTACTATGTCCTTTGAAGACCGCATGATCATGAGTCCTGTGAAAAACAATGTGGC 137
QY 21 ArgGlyLeuAsnIleAlaLeuValAsnGlyThrThrGlyAlaValLeuGlyGlnLys 39
Db 138 AGAGGCCTAAACATCGCCCTGGTGAATGAACACCGGAGCTGTGCTGGACAGAG 194

RESULT 8
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; Sequence 492, Application US/10046935
; Publication No. US20020156011A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Secrist, Heather
; APPLICANT: Wang, Aijun
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.527C1
; CURRENT APPLICATION NUMBER: US/10/046,935
; CURRENT FILING DATE: 2002-01-15
; NUMBER OF SEQ ID NOS: 2239
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 492
; LENGTH: 207
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-046-935-492

Alignment Scores:
Pred. No.: 1,1e-26 Length: 207
Score: 203.00 Matches: 39
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0

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Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-052-855A-26 (1-39) x US-10-046-935-492 (1-207)

QY 1 GlyProThrMetCysPheGluAspArgMetIleMetSerProValIysAsnValGly 20
DB 130 GGCCCTACTATGTGCTTTGAAGACCGCATGATCATGATGCTCTGTGAAAAACAATGTGGGC 71

QY 21 ArgGlyLeuAsnIleAlaLeuValAsnGlyThrThrGlyAlaValLeuGlyGlnLys 39
DB 70 AGAGGCCTAAACATCGCCCTGGTGAATGAACACCGGAGTGTGCTGGACAGAAG 14

RESULT 9
US-10-046-935-493
; Sequence 493, Application US/10046935
; Publication No. US20020156011A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Secrist, Heather
; APPLICANT: Wang, Aijun
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.527C1
; CURRENT APPLICATION NUMBER: US/10/046,935
; CURRENT FILING DATE: 2002-01-15
; NUMBER OF SEQ ID NOS: 2239
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 493
; LENGTH: 207
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-046-935-493

Alignment Scores:
Pred. No.: 1.1e-26 Length: 207
Score: 203.00 Matches: 39
Percent Similarity: 100.00% Conservativeness: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-052-855A-26 (1-39) x US-10-046-935-493 (1-207)

QY 1 GlyProThrMetCysPheGluAspArgMetIleMetSerProValIysAsnValGly 20
DB 130 GGCCCTACTATGTGCTTTGAAGACCGCATGATCATGATGCTCTGTGAAAAACAATGTGGGC 71

QY 21 ArgGlyLeuAsnIleAlaLeuValAsnGlyThrThrGlyAlaValLeuGlyGlnLys 39
DB 70 AGAGGCCTAAACATCGCCCTGGTGAATGAACACCGGAGTGTGCTGGACAGAAG 14

RESULT 9
US-10-046-935-493
; Sequence 493, Application US/10046935
; Publication No. US20020156011A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Secrist, Heather
; APPLICANT: Wang, Aijun
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.527C1
; CURRENT APPLICATION NUMBER: US/10/046,935
; CURRENT FILING DATE: 2002-01-15
; NUMBER OF SEQ ID NOS: 2239
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 493
; LENGTH: 207
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-046-935-493

Alignment Scores:
Pred. No.: 1.1e-26 Length: 207
Score: 203.00 Matches: 39
Percent Similarity: 100.00% Conservativeness: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-052-855A-26 (1-39) x US-10-046-935-493 (1-207)

QY 1 GlyProThrMetCysPheGluAspArgMetIleMetSerProValIysAsnValGly 20
DB 78 GGCCCTACTATGTGCTTTGAAGACCGCATGATCATGATGCTCTGTGAAAAACAATGTGGGC 137

QY 21 ArgGlyLeuAsnIleAlaLeuValAsnGlyThrThrGlyAlaValLeuGlyGlnLys 39
DB 138 AGAGGCCTAAACATCGCCCTGGTGAATGAACACCGGAGTGTGCTGGACAGAAG 194

RESULT 10
US-10-046-935-882/c
; Sequence 882, Application US/10046935
; Publication No. US20020156011A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Secrist, Heather
; APPLICANT: Wang, Aijun
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.527C1
; CURRENT APPLICATION NUMBER: US/10/046,935
; CURRENT FILING DATE: 2002-01-15
; NUMBER OF SEQ ID NOS: 2239
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 882
; LENGTH: 207

US-09-052-855A-26 (1-39) x US-10-046-935-882 (1-207)

QY 1 GlyProThrMetCysPheGluAspArgMetIleMetSerProValIysAsnValGly 20
DB 130 GGCCCTACTATGTGCTTTGAAGACCGCATGATCATGATGCTCTGTGAAAAACAATGTGGGC 71

QY 21 ArgGlyLeuAsnIleAlaLeuValAsnGlyThrThrGlyAlaValLeuGlyGlnLys 39
DB 70 AGAGGCCTAAACATCGCCCTGGTGAATGAACACCGGAGTGTGCTGGACAGAAG 14

RESULT 11
US-10-025-380-431
; Sequence 431, Application US/10025380
; Publication No. US20020182191A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Smith, Carole L.
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C14
; CURRENT APPLICATION NUMBER: US/10/025,380
; CURRENT FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 1129
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 431
; LENGTH: 207
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-025-380-431

Alignment Scores:
Pred. No.: 1.1e-26 Length: 207
Score: 203.00 Matches: 39
Percent Similarity: 100.00% Conservativeness: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-052-855A-26 (1-39) x US-10-025-380-431 (1-207)

QY 1 GlyProThrMetCysPheGluAspArgMetIleMetSerProValIysAsnValGly 20
DB 78 GGCCCTACTATGTGCTTTGAAGACCGCATGATCATGATGCTCTGTGAAAAACAATGTGGGC 137
```

Qy 21 ArgGlyLeuAsnIleAlaLeuValAsnGlyThrThrGlyAlaValLeuGlyGlnLys 39
Db 138 AGAGGCCTAAACATCGCCCTGGTGTAAATGGAAACACGGGAGCTGTGCTGGGACAGAAG 194

RESULT 12

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US-10-146-502-492/c
; Sequence 492, Application US/10146502
; Publication No. US20030069180A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Secrist, Heather
; APPLICANT: Wang, Aijun
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; OF COLON CANCER
; FILE OF INVENTION: 210121.527C2
; FILE REFERENCE: 210121.527C2
; CURRENT APPLICATION NUMBER: US/10/146,502
; CURRENT FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 2241
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 492
; LENGTH: 207
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-146-502-492

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Alignment Scores:		
Pred. No.:	1.1e-26	Length: 207
Score:	203.00	Matches: 39
Percent Similarity:	100.00%	Conservative: 0
Best Local Similarity:	100.00%	Mismatches: 0
Query Match:	100.00%	Indels: 0
DB:	15	Gaps: 0

US-09-052-855A-26 (1-39) x US-10-146-502-492 (1-207)

Oy 1 GlyProThrMetCysPheGluAspArgMetIleMetSerProValLysAsnAsnValGly 20
 |||||
Dd 130 GGCCTACTATGTGCTTTTGAAGACCGCATGTCATGACTCCTGTGA AAAACAATGTGGC 71

QY 21 ArgGlyLeuAsnIleAlaLeuValAsnGlyThrThrGlyAlaValLeuGlyGlnLys 39
 |||||
 Db 70 AGAGGCGCTAAACATCGCCCTGGTGAATGGAACCA CGGGAGCTGTGCTGGGACAGAAG 14

RESULT 13

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US-10-146-502-493
; Sequence 493, Application US/10146502
; Publication NO. US20030069180A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Secrist, Heather
; APPLICANT: Wang, Aijun
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; OF COLON CANCER
; FILE REFERENCE: 210121.527C2
; CURRENT APPLICATION NUMBER: US/10/146,502
; CURRENT FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 2241
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 493
; LENGTH: 207
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-146-502-493

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Alignment Scores:		
Pred. No.:	1.1e-26	Length: 207
Score:	203.00	Matches: 39
Percent Similarity:	100.00%	Conservative: 0

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Best Local Similarity: 100.00%
Query Match: 100.00%
DB: 15
Mismatches:
Indels:
Gaps:
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US-09-052-855A-26 (1-39) x US-10-146-502-493 (1-207)

QY	1	GlyProThrMetCysPheGluAspArgMetIleMetSerProValLysAsnAsnValGly	20
Db	78	GGCCCTACTATGTGCTTTGAAGACGCGATGATCATGATCTCTGTGAAAAACAATGTGGGC	137
QY	21	ArgGlyLeuAsnIleAlaLeuValAsnGlyThrThrGlyAlaValLeuGlyGlnLys	39
Db	138	AGAGGCCCTAAACATCCGCTGTGAATGGAAACCGAGCTGTGCTGGGACACAAG	194

RESULT 14

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US-10-146-502-882/c
; Sequence 882, Application US/10146502
; Publication NO. US20030069180A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Secrist, Heather
; APPLICANT: Wang, Aijun
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.527C2
; CURRENT APPLICATION NUMBER: US/10/146.502
; CURRENT FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 2241
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 882
; LENGTH: 207
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 173
; OTHER INFORMATION: n = A,T,C or G
US-10-146-502-882

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Alignment Scores:		
Pred. No.:	1.1e-26	Length:
Score:	203.00	Matches:
Percent Similarity:	100.00%	Conservative:
Best Local Similarity:	100.00%	Mismatches:
Query Match:	100.00%	Indels:
DB:	15	Gaps:
		207
		39

US-09-052-855A-26 (1-39) x US-10-146-502-882 (1-207)

1	GlyProThrMetCysPheGluAspArgMetIleMetSerProValIleAsnAsnValGly	20
130	GGCCCTACTATGTGCTTTGAAGACCGCATGATCATGCTCTGTGAAAAAAATGTGGGC	71
21	ArgGlyLeuAsnIleAlaLeuValAsnGlyThrGlyValaValLeuGlyClnIlys	39
70	AGAGCCCTAAACATCGCCCTGGTGAATCGAACCCAGGAGCTGTCTCTGACACAGAG	14

RESULT 15

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US-10-066-543-2722/c
; Sequence 2722, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Pyte, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.

```

Mon Aug 30 09:23:30 2004

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; APPLICANT: Durham, Margarita
; APPLICANT: Scolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.563
; CURRENT APPLICATION NUMBER: US/10/066,543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2722
; LENGTH: 258
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-066-543-2722

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Alignment Scores:		
Pred. No.:	1.49e-26	Length:
Score:	203.00	Matches:
Percent Similarity:	100.00%	Conservative:
Best Local Similarity:	100.00%	Mismatches:
Query Match:	100.00%	Indels:
DB:	15	Gaps:
	0	

US-09-052-855A-26 (1-39) X US-10-066-543-2722 (1-258)

1	GlyProThrMetCysPheGluAspArgMetIleMetSerProValLysAsnAsnValGly	20
QY		
130	GGCCCTACTATGTGCTTTGAAGACCGCATGATCATGAGTCTCTGTGAAAAACAAATGTGGGC	71
Db		
21	ArgGlyLeuAsnIleAlaLeuValAsnGlyThrThrGlyAlaValLeuGlyClnLys	39
QY		
70	AGAGGCTTAAACATGCGCTGTGTAATGTGAACCAACGGGAGCTGTCTCTGGGCAGAGAAG	14
Db		

Search completed: August 28, 2004, 13:44:33
Job time : 170.138 secs

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: August 28, 2004, 06:19:16 ; Search time 24.4377 Seconds

(without alignments)
840.227 Million cell updates/sec

Title: US-09-052-855A-27

Perfect score: 188

Sequence: 1 KEIPGALVLVASYDDPGTKMDESRKLFSDLGSSYA 37

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Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-Q=/cgn2_1/USPTO.spool/US09052855/runat 25082004 171005 17141/app query.fasta_1.1187
-DB=Issued Patents NA -QFMT=fastap -SUFFIX=rni -MINMATCH=0.1 -LOOFC=0
-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -DOALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
-MODE=LOCAL -OUTFMT=pfo -NORM=ext -HEARSIZE=500 -MINLEN=0 -MAXLEN=2000000000
-USER=US09052855@cgn_1_1_163@runat 25082004 171005 17141 -NCPU=6 -ICPU=3
-NO_WMAP -LARGQUERY -NEG SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG
-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THRADSG=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued Patents NA:*

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5: /cgn2_6/ptodata/2/ina/PTUS_COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	188	100.0	548	1	US-08-469-667-6
2	188	100.0	548	4	US-09-224-110-6
3	188	100.0	548	5	PCT-US95-07289-6
4	188	100.0	1067	3	US-09-045-193-1
5	104	55.3	2475	4	US-09-220-132-179
6	57	30.3	876	4	US-09-167-513-1
7	57	30.3	913	4	US-09-702-114A-1
8	57	30.3	948	4	US-09-247-155-50
9	57	30.3	948	4	US-09-599-360B-13
10	57	30.3	957	4	US-09-866-028-90
11	54	28.7	4403765	3	US-09-103-840A-2
12	54	28.7	4411529	3	US-09-103-840A-1

13	53	28.2	2889	1	US-08-465-795-2	Sequence 2, Appli
14	53	28.2	5589	1	US-08-465-795-1	Sequence 1, Appli
15	52	27.7	1230025	4	US-09-198-452A-1	Sequence 1, Appli
16	52	27.7	1664976	4	US-08-916-421B-1	Sequence 1, Appli
17	51	27.1	264	1	US-07-805-123C-9	Sequence 9, Appli
18	51	27.1	264	1	US-08-033-081B-9	Sequence 9, Appli
19	51	27.1	712	4	US-09-401-064-354	Sequence 354, App
20	51	27.1	973	1	US-07-805-123C-8	Sequence 8, Appli
21	51	27.1	973	1	US-08-033-081B-8	Sequence 8, Appli
22	51	27.1	1782	4	US-09-220-132-158	Sequence 158, App
23	51	27.1	10952	1	US-08-602-036A-1	Sequence 1, Appli
24	51	27.1	10952	2	US-08-502-374A-1	Sequence 1, Appli
25	51	27.1	10952	2	US-08-642-407A-1	Sequence 1, Appli
26	50.5	26.9	372	4	US-09-621-976-11390	Sequence 11390, A
27	50.5	26.9	2190	4	US-09-015-188-1	Sequence 1, Appli
28	50	26.6	4403765	3	US-09-103-840A-2	Sequence 2, Appli
29	50	26.6	4411529	3	US-09-103-840A-1	Sequence 1, Appli
30	49.5	26.3	4617	4	US-08-930-055A-1	Sequence 2, Appli
31	49.5	26.3	5109	4	US-08-930-055A-2	Sequence 55, Appl
32	49	26.1	789	3	US-08-513-974B-55	Sequence 55, Appl
33	49	26.1	789	4	US-09-461-436B-55	Sequence 55, Appl
34	49	26.1	843	3	US-08-513-974B-375	Sequence 375, App
35	49	26.1	1554	4	US-08-976-063E-15	Sequence 15, Appl
36	49	26.1	1632	4	US-09-328-352-3270	Sequence 3270, Ap
37	49	26.1	1790	2	US-08-810-453-1	Sequence 1, Appli
38	49	26.1	1790	4	US-09-016-434-1438	Sequence 1438, Ap
39	49	26.1	1841	5	PCT-US95-00362-1	Sequence 1, Appli
40	49	26.1	1890	3	US-09-290-640-24	Sequence 24, Appl
41	49	26.1	1890	4	US-09-023-655-1453	Sequence 1453, Ap
42	49	26.1	1890	4	US-09-665-615B-24	Sequence 24, Appl
43	49	26.1	1932	4	US-09-640-198D-1	Sequence 1, Appli
44	49	26.1	8119	3	US-09-290-640-45	Sequence 45, Appl
45	49	26.1	8119	4	US-09-665-615B-45	Sequence 45, Appl

ALIGNMENTS

RESULT 1

US-08-469-667-6
; Sequence 6, Application US/08469667
; Patent No. 5733748
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
; ADDRESSEE: Stewart & Olstein
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,667
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-435
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 548 base pairs

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; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..405
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 1..405
US-09-224-110-6

Alignment Scores:
Pred. No.: 9.62e-24 Length: 548
Score: 188.00 Matches: 37
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-052-855A-27 (1-37) x US-08-469-667-6 (1-548)

QY 1 LysGluileProGlyGlyAlaLeuValLeuValAlaSerTyrAspProGlyThrLys 20
Db 133 AAAGAAATTCGGGGGTGCACTGGTGTGGCTCTACGACGATCCAGGACCAA 192
QY 21 MetAsnAspGluSerArgLysLeuPheSerAspLeuGlySerTyrAla 37
Db 193 ATGAACGATGAAGCAGGAACCTTCTCTGACTTGGGGAGTTCCTACGCA 243

RESULT 2
US-09-224-110-6
; Sequence 6, Application US/09224110
; Patent No. 6337195
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Rosen, Craig
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
; ADDRESSEE: Stewart & Olstein
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/224,110
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/469,667
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-435
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 548 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..405
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 1..405
PCT-US95-07289-6

; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..405
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 1..405
US-09-224-110-6

Alignment Scores:
Pred. No.: 9.62e-24 Length: 548
Score: 188.00 Matches: 37
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 1 Gaps: 0

US-09-052-855A-27 (1-37) x US-08-469-667-6 (1-548)

QY 1 LysGluileProGlyGlyAlaLeuValLeuValAlaSerTyrAspProGlyThrLys 20
Db 133 AAAGAAATTCGGGGGTGCACTGGTGTGGCTCTACGACGATCCAGGACCAA 192
QY 21 MetAsnAspGluSerArgLysLeuPheSerAspLeuGlySerTyrAla 37
Db 193 ATGAACGATGAAGCAGGAACCTTCTCTGACTTGGGGAGTTCCTACGCA 243

RESULT 3
PCT-US95-07289-6
; Sequence 6, Application PC/TUS9507289
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Rosen, Craig
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
; ADDRESSEE: Stewart & Olstein
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/07289
; FILING DATE: 06-JUN-1995
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-265
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 548 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..405
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 1..405
PCT-US95-07289-6
```

Alignment Scores:
Pred. No.: 9.62e-24 Length: 548
Score: 188.00 Matches: 37
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 5 Gaps: 0

US-09-052-855A-27 (1-37) x PCT-US95-07289-6 (1-548)

QY 1 LysGluileProGlyClyAlaLeuValLeuValAlaSerTyAspProGlyThrLys 20
DB 133 AAAGAAATTCGGGGGGTGCACCTGGTGGCTCTACGACATCCAGGACCAA 192

QY 21 MetAsnAspGluSerArgLysLeuPheSerAspLeuGlySerSerTyxAla 37
DB 193 ATGAACGATGAAGCAGGAAACTCTTCTGACTTGGGGAGTTCTTACGCA 243

RESULT 4

US-09-045-193-1
; Sequence 1, Application US/09045193
; Patent No. 6245550

GENERAL INFORMATION:

; APPLICANT: HENSLEY, PRESTON
; APPLICANT: ROSE, GEORGE
; APPLICANT: AURORA, RAJEV
; APPLICANT: ABDEL-MEGUID, SHERIN
; APPLICANT: YOUNG, PETER
; APPLICANT: ZHU, YUAN
; APPLICANT: MOONEY, JEFFREY
; APPLICANT: BERGSMAN, DEBK
; APPLICANT: GUERRERA, STEPHANIE
; APPLICANT: ELLIS, CATHERINE

; TITLE OF INVENTION: The Cytokine Family Member
; TITLE OF INVENTION: EP-7

; NUMBER OF SEQUENCES: 2

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Ratner & Prestia
; STREET: P.O. Box 980
; CITY: Valley Forge
; STATE: PA

; COUNTRY: USA

; ZIP: 19482

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/045,193

; FILING DATE: 20-MAR-1998

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER:

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Prestia, Paul F

; REGISTRATION NUMBER: 23,031

; REFERENCE/DOCKET NUMBER: GP-70421

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 610-407-0700

; TELEFAX: 610-407-0701

; TELEX:

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1067 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

US-09-045-193-1

Alignment Scores:

Pred. No.: 2.35e-23 Length: 1067
Score: 188.00 Matches: 37
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 3 Gaps: 0

US-09-052-855A-27 (1-37) x US-09-045-193-1 (1-1067)

QY 1 LysGluileProGlyClyAlaLeuValLeuValAlaSerTyAspProGlyThrLys 20
DB 444 AAAGAAATTCGGGGGGTGCACCTGGTGGCTCTACGACATCCAGGACCAA 503

QY 21 MetAsnAspGluSerArgLysLeuPheSerAspLeuGlySerSerTyxAla 37
DB 504 ATGAACGATGAAGCAGGAAACTCTTCTGACTTGGGGAGTTCTTACGCA 554

RESULT 5

US-09-220-132-179

; Sequence 179, Application US/09220132

; Patent No. 6506607

; GENERAL INFORMATION:

; APPLICANT: Shvlian, Andrew W.

; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE IDENTIFICATION AND ASSESSMENT
; OF PROSTATE CANCER THERAPIES AND THE DIAGNOSIS OF PROSTATE CANCER

; FILE REFERENCE: 07334-074001

; CURRENT APPLICATION NUMBER: US/09/220,132

; PRIOR FILING DATE: 1998-12-23

; PRIOR APPLICATION NUMBER: US 60/079,303

; PRIOR FILING DATE: 1998-03-25

; PRIOR APPLICATION NUMBER: US 60/068,821

; PRIOR FILING DATE: 1997-12-24

; NUMBER OF SEQ ID NOS: 191

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 179

; LENGTH: 2475

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-220-132-179

Alignment Scores:

Pred. No.: 3.51e-08 Length: 2475
Score: 104.00 Matches: 19
Percent Similarity: 77.14% Conservative: 8
Best Local Similarity: 54.29% Mismatches: 8
Query Match: 55.32% Indels: 0
DB: 4 Gaps: 0

US-09-052-855A-27 (1-37) x US-09-220-132-179 (1-2475)

QY 1 LysGluileProGlyClyAlaLeuValLeuValAlaSerTyAspProGlyThrLys 20
DB 576 AAGGCCATACAAGATGGAACAATAGTTTATGCGAACAATAGATGGAGACCAAA 635

QY 21 MetAsnAspGluSerArgLysLeuPheSerAspLeuGlySerSer 35
DB 636 CTCAATGATGAGCAGCGCGCTCATGCTGATTGGGGAGCACA 680

RESULT 6

US-09-167-513-1

; Sequence 1, Application US/09167513

; Patent No. 6388064

; GENERAL INFORMATION:

; APPLICANT: Conklin, Darrell C.

; APPLICANT: Blumberg, Hal

; TITLE OF INVENTION: A HUMAN 2-19 PROTEIN HOMOLOGUE, Z219A

; FILE REFERENCE: 97-63

; CURRENT APPLICATION NUMBER: US/09/167,513

; CURRENT FILING DATE: 1998-10-06

; EARLIER APPLICATION NUMBER: US 60/061,712

; EARLIER FILING DATE: 1997-10-06

; NUMBER OF SEQ ID NOS: 28

; SOFTWARE: FastSeq for Windows Version 3.0

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; SEQ ID NO 1
; LENGTH: 876
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (119)...(823)
US-09-167-513-1

Alignment Scores:
Pred. No.: 1.44 Length: 876
Score: 57.00 Matches: 9
Percent Similarity: 67.86% Conservative: 10
Best Local Similarity: 32.14% Mismatches: 9
Query Match: 30.32% Indels: 0
DB: 4 Gaps: 0

US-09-052-855A-27 (1-37) x US-09-167-513-1 (1-876)
QY 7 AlaLeuValLeuValAlaSerTyrAspProGlyThrLysMetAsnAspGluSerArg 26
Db 563 TCCCTGCTCTTCATGGTACCTATGACGACGGAAGCAAGACTGAATAACGATGCCAAG 622
QY 27 LysLeuPheSerAspLeuGlySer 34
Db 623 AATGCCATAGACCACTTGGAAAGT 646

RESULT 7
US-09-702-114A-1
; Sequence 1, Application US/09702114A
; Patent No. 6566078
; GENERAL INFORMATION:
; APPLICANT: Arthur B. Raitano
; APPLICANT: Aya Jakobovits
; APPLICANT: Mary Faris
; APPLICANT: Daniel E.H. Afar
; APPLICANT: Rene S. Hubert
; APPLICANT: Steve Chappell Mitchell
; TITLE OF INVENTION: 36PeDs: SECRETED TUMOR ANTIGEN
; FILE REFERENCE: 129.22-US-U1
; CURRENT APPLICATION NUMBER: US/09/702,114A
; PRIOR FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: 60/162,417
; PRIOR FILING DATE: 1999-10-28
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 913
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-09-702-114A-1

Alignment Scores:
Pred. No.: 1.52 Length: 913
Score: 57.00 Matches: 9
Percent Similarity: 67.86% Conservative: 10
Best Local Similarity: 32.14% Mismatches: 9
Query Match: 30.32% Indels: 0
DB: 4 Gaps: 0

US-09-052-855A-27 (1-37) x US-09-702-114A-1 (1-913)
QY 7 AlaLeuValLeuValAlaSerTyrAspProGlyThrLysMetAsnAspGluSerArg 26
Db 503 TCCCTGCTCTTCATGGTACCTATGACGACGGAAGCAAGACTGAATAACGATGCCAAG 562
QY 27 LysLeuPheSerAspLeuGlySer 34
Db 563 AATGCCATAGACCACTTGGAAAGT 586

RESULT 8
US-09-247-155-50
; Sequence 50, Application US/09247155A
```

```
; Patent No. 6312922
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, Jean-Baptiste
; APPLICANT: Duclert, Aymeric
; APPLICANT: Bougueleret, Lydie
; TITLE OF INVENTION: Complementary DNAs
; FILE REFERENCE: GENSET.021A
; CURRENT APPLICATION NUMBER: US/09/247,155A
; CURRENT FILING DATE: 1999-02-09
; EARLIER APPLICATION NUMBER: 60/074,121
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/081,563
; EARLIER FILING DATE: 1998-04-13
; EARLIER APPLICATION NUMBER: 60/096,116
; EARLIER FILING DATE: 1998-08-10
; EARLIER APPLICATION NUMBER: 60/099,273
; EARLIER FILING DATE: 1998-10-04
; NUMBER OF SEQ ID NOS: 182
; SOFTWARE: Patent.pm
; SEQ ID NO 50
; LENGTH: 948
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 80..784
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: 80..139
; OTHER INFORMATION: Von Heijne matrix
; OTHER INFORMATION: score 4
; OTHER INFORMATION: seq LLKWVVFVSLC/AW
; FEATURE:
; NAME/KEY: polyA_signal
; LOCATION: 910..915
; FEATURE:
; NAME/KEY: polyA_site
; LOCATION: 933..948
US-09-247-155-50

Alignment Scores:
Pred. No.: 1.6 Length: 948
Score: 57.00 Matches: 9
Percent Similarity: 67.86% Conservative: 10
Best Local Similarity: 32.14% Mismatches: 9
Query Match: 30.32% Indels: 0
DB: 4 Gaps: 0

US-09-052-855A-27 (1-37) x US-09-247-155-50 (1-948)
QY 7 AlaLeuValLeuValAlaSerTyrAspProGlyThrLysMetAsnAspGluSerArg 26
Db 524 TCCCTGCTCTTCATGGTACCTATGACGACGGAAGCAAGACTGAATAACGATGCCAAG 583
QY 27 LysLeuPheSerAspLeuGlySer 34
Db 584 AATGCCATAGACCACTTGGAAAGT 607

RESULT 9
US-09-599-360B-13
; Sequence 13, Application US/09599360B
; Patent No. 6548633
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Bougueleret, L.
; APPLICANT: Jobert, S.
; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
; FILE REFERENCE: GENSET.050CP3
; CURRENT APPLICATION NUMBER: US/09/599,360B
; CURRENT FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: 60/113,686
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/141,032
```

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; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/469,099
; PRIOR FILING DATE: 1999-12-21
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: Patent.pm
; SEQ ID NO 13
; LENGTH: 948
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 80..784
; NAME/KEY: sig_peptide
; LOCATION: 80..139
; OTHER INFORMATION: Von Heijne matrix
; OTHER INFORMATION: score 4
; OTHER INFORMATION: seq LKVVFFVFLSCL/AW
; NAME/KEY: polyA signal
; LOCATION: 910..915
; NAME/KEY: polyA site
; LOCATION: 933..948
; US-09-599-360B-13

Alignment Scores:
Pred. No.: 1.6 Length: 948
Score: 57.00 Matches: 9
Percent Similarity: 67.86% Conservative: 10
Best Local Similarity: 32.14% Mismatches: 9
Query Match: 30.32% Indels: 0
DB: 4 Gaps: 0

US-09-052-855A-27 (1-37) x US-09-599-360B-13 (1-948)
QY 7 AlaLeuValLeuValAlaSerTyrAspProGlyThrLysMetAsnAspGluSerArg 26
Db 524 TCCCTGCTCTTCATGTGACCTATGACGACGGAAGCAAGACTGAATAACGATGCCAAG 583
QY 27 LysLeuPheSerAspLeuGlySer 34
Db 584 AATGCCATAGACACTTGGAAAGT 607

RESULT 10
; Sequence 90, Application US/09866028
; Patent No. 6642360
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
; APPLICANT: Botstein, David
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Hillan, Kenneth
; APPLICANT: Klijavin, Ivar
; APPLICANT: Napier, Mary
; APPLICANT: Roy, Margaret
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P2548PICI
; CURRENT APPLICATION NUMBER: US/09/866,028
; CURRENT FILING DATE: 2001-05-25
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 120
; SEQ ID NO 90
; LENGTH: 957
; TYPE: DNA
; ORGANISM: Homo Sapien
```

US-09-866-028-90

Alignment Scores:

Pred. No.: 1.62 Length: 957
Score: 57.00 Matches: 9
Percent Similarity: 67.86% Conservative: 10
Best Local Similarity: 32.14% Mismatches: 9
Query Match: 30.32% Indels: 0
DB: 4 Gaps: 0

US-09-052-855A-27 (1-37) x US-09-866-028-90 (1-957)

QY 7 AlaLeuValLeuValAlaSerTyrAspProGlyThrLysMetAsnAspGluSerArg 26

Db 453 TCCCTGCTCTTCATGTGACCTATGACGACGGAAGCAAGACTGAATAACGATGCCAAG 512

QY 27 LysLeuPheSerAspLeuGlySer 34

Db 513 AATGCCATAGACACTTGGAAAGT 536

RESULT 11

US-09-103-840A-2/c

; Sequence 2, Application US/09103840A

; Patent No. 6294328

; GENERAL INFORMATION:

; APPLICANT: FLEISCHMAN, Robert D.

; APPLICANT: WHITE, Owen R.

; APPLICANT: FRASER, Claire M.

; APPLICANT: VENTER, John C.

; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM

; TITLE OF INVENTION: TUBERCULOSIS

; FILE REFERENCE: 24366-20007.00

; CURRENT APPLICATION NUMBER: US/09/103,840A

; NUMBER OF SEQ ID NOS: 2

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 2

; LENGTH: 4403765

; TYPE: DNA

; ORGANISM: Mycobacterium tuberculosis

; FEATURE:

; OTHER INFORMATION: CDC 1551

; OTHER INFORMATION: "n" bases at various positions throughout the sequence

; OTHER INFORMATION: represent a, t, c or g

US-09-103-840A-2

Alignment Scores:

Pred. No.: 3.71e+05 Length: 4403765
Score: 54.00 Matches: 11
Percent Similarity: 56.00% Conservative: 3
Best Local Similarity: 44.00% Mismatches: 11
Query Match: 28.72% Indels: 0
DB: 3 Gaps: 0

US-09-052-855A-27 (1-37) x US-09-103-840A-2 (1-4403765)

QY 9 ValLeuValAlaSerTyrAspProGlyThrLysMetAsnAspGluSerArgLysLeu 28

Db 670529 GTCTTCGCGCGGAACAGCACACCCGCGCTGGCACCACCAAGATGACTGCGCGCACCA 670470

QY 29 PheSerAspLeuGly 33

Db 670469 TTCGCGCAGCTGGGC 670455

RESULT 12

US-09-103-840A-1/c

; Sequence 1, Application US/09103840A

; Patent No. 6294328

; GENERAL INFORMATION:

; APPLICANT: FLEISCHMAN, Robert D.

; APPLICANT: WHITE, Owen R.

; APPLICANT: FRASER, Claire M.

; APPLICANT: VENTER, John C.

```
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1

Alignment Scores:
Pred. No.: 3,71e+05 Length: 4411529
Score: 54.00 Matches: 11
Percent Similarity: 56.00% Conservative: 3
Best Local Similarity: 44.00% Mismatches: 11
Query Match: 28.72% Indels: 0
DB: 3 Gaps: 0

US-09-052-855A-27 (1-37) x US-09-103-840A-1 (1-4411529)
QY 9 ValLeuValAlaSerTyrAspProGlyThrLysMetAsnAspGluSerArgLysLeu 28
Db 669086 GTCCTCCGGCGGACACACACACACCCCGCGTGGCCACCAAGATGAGTGGCGGACCAA 669027
QY 29 PheSerAspLeuGly 33
Db 669026 TTCGGGACGTGGC 669012

RESULT 13
US-08-465-795-2
; Sequence 2, Application US/08465795
; Patent No. 5589355
; GENERAL INFORMATION:
; APPLICANT: Koizumi, Satoshi
; APPLICANT: Yonetani, Yoshiyuki
; APPLICANT: Teshiba, Sadao
; TITLE OF INVENTION: A Process for Producing Riboflavin
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/465,795
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/161,394
; FILING DATE: 06-DEC-1993
; APPLICATION NUMBER: JP 326578/1992
; FILING DATE: 07-DEC-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Gaybrick, Robert J.
; REGISTRATION NUMBER: 27,890
; REFERENCE/DOCKET NUMBER: 04853.0008-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5589 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
```

```
; LENGTH: 2689 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Corynebacterium ammoniagenes
US-08-465-795-2

Alignment Scores:
Pred. No.: 32.4 Length: 2689
Score: 53.00 Matches: 11
Percent Similarity: 50.00% Conservative: 3
Best Local Similarity: 39.23% Mismatches: 14
Query Match: 28.19% Indels: 0
DB: 1 Gaps: 0

US-09-052-855A-27 (1-37) x US-08-465-795-2 (1-2689)
QY 4 ProGlyGlyAlaLeuValLeuValAlaSerTyrAspProGlyThrLysMetAsnAsp 23
Db 1306 CCAGCGGGTGTGTTGTGAAATCGTCTCTGAAGAAGACCCGACCATGGCTGCTGTTCC 1365
QY 24 GluSerArgLysLeuPheSerAsp 31
Db 1366 GAAGAGCTCGTCGTTTTCAT 1389

RESULT 14
US-08-465-795-1
; Sequence 1, Application US/08465795
; Patent No. 5589355
; GENERAL INFORMATION:
; APPLICANT: Koizumi, Satoshi
; APPLICANT: Yonetani, Yoshiyuki
; APPLICANT: Teshiba, Sadao
; TITLE OF INVENTION: A Process for Producing Riboflavin
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/465,795
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/161,394
; FILING DATE: 06-DEC-1993
; APPLICATION NUMBER: JP 326578/1992
; FILING DATE: 07-DEC-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Gaybrick, Robert J.
; REGISTRATION NUMBER: 27,890
; REFERENCE/DOCKET NUMBER: 04853.0008-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5589 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
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```
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Corynebacterium ammoniagenes
; US-08-465-795-1

Alignment Scores:
Pred. No.:      86.1      Length:      5589
Score:          53.00     Matches:      11
Percent Similarity: 50.00%   Conservative: 3
Best Local Similarity: 39.29% Mismatches:    14
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US-09-052-855A-27 (1-37) x US-08-465-795-1 (1-5589)

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Db 2781 CCAGCGGGTGTGTGTGTAATCGTCTCTGAAGAAGACCCGACGATGGCTCGTTCC 2840

QY 24 GluSerArgLysLeuPheSerAsp 31
Db 2841 GAAGAGTCGTCGTGTTTTCGTAT 2864

RESULT 15
US-09-198-452A-1/c
; Sequence 1, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Grifffais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments thereof and uses thereof, in particular for the diagnosis, prevention and treatment of infection
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 1
; LENGTH: 1230025
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; ORGANISM: Chlamydia pneumoniae
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Pred. No.: 1.65e+05 Length: 1230025
Score: 52.00 Matches: 11
Percent Similarity: 58.62% Conservative: 6
Best Local Similarity: 37.93% Mismatches: 12
Query Match: 27.66% Indels: 0
DB: 4 Gaps: 0

US-09-052-855A-27 (1-37) x US-09-198-452A-1 (1-1230025)

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QY 25 SerArgLysLeuPheSerAspLeuGly 33
Db 91352 TCTTCTATACTTATCTCCGGACTCGGT 91326
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Search completed: August 28, 2004, 09:47:42
Job time : 903.438 secs

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: August 28, 2004, 09:09:25 ; Search time 160.464 Seconds
(without alignments)
1134.788 Million cell updates/sec

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Perfect score: 188
Sequence: 1 KEIPGALVIVASYDDPGTKMNDSEKLFSDLGSSVA 37

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 3237270 seqs, 2460713050 residues

Total number of hits satisfying chosen parameters: 6474540

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Database : Published Applications NA:

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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ALIGNMENTS

RESULT 1

US-10-106-698-1997
; Sequence 1997, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.

; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 1997
; LENGTH: 521
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-1997

1	188	100.0	521	15	US-10-106-698-1997	Sequence 1997, Ap
2	188	100.0	548	13	US-09-988-292-6	Sequence 6, Appli
3	188	100.0	548	17	US-10-776-601-6	Sequence 6, Appli
4	188	100.0	1019	15	US-10-106-698-2121	Sequence 2121, Ap
5	188	100.0	1078	13	US-10-276-774-872	Sequence 872, Ap
6	188	100.0	1212	15	US-10-099-926-1974	Sequence 1974, Ap
7	188	100.0	1221	17	US-10-764-100-1	Sequence 1, Appli
8	188	100.0	1337	10	US-09-946-374-414	Sequence 414, App
9	188	100.0	1337	12	US-10-015-395A-414	Sequence 414, App
10	188	100.0	1337	13	US-10-147-493-459	Sequence 459, App
11	188	100.0	1337	13	US-10-145-127-459	Sequence 459, App
12	188	100.0	1337	13	US-10-160-503-459	Sequence 459, App
13	188	100.0	1337	13	US-10-143-118-459	Sequence 459, App
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15	188	100.0	1337	13	US-10-158-787-459	Sequence 459, App
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21	188	100.0	1337	13	US-10-152-405-459	Sequence 459, App
22	188	100.0	1337	13	US-10-127-852A-459	Sequence 459, App
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25	188	100.0	1337	13	US-10-226-254A-414	Sequence 414, App
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31	188	100.0	1337	15	US-10-028-072-459	Sequence 459, App
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34	188	100.0	1337	15	US-10-176-921-459	Sequence 459, App
35	188	100.0	1337	15	US-10-137-865-459	Sequence 459, App
36	188	100.0	1337	15	US-10-140-474-459	Sequence 459, App
37	188	100.0	1337	15	US-10-142-431-459	Sequence 459, App
38	188	100.0	1337	15	US-10-143-114-459	Sequence 459, App
39	188	100.0	1337	15	US-10-140-002-459	Sequence 459, App
40	188	100.0	1337	15	US-10-006-856A-414	Sequence 414, App
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Score: 188.00 Matches: 37
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 13 Gaps: 0
US-09-052-855A-27 (1-37) x US-09-988-292-6 (1-548)
QY 1 LysGluLeuProGlyGlyAlaLeuValLeuValAlaSerTyrAspAspProGlyThrLys 20
Db 133 AAGAAATTCGGGGGGTGCACCTGGTGGTGGCTCTACGACATCCAGGACCAAA 192
QY 21 MetAsnAspGluSerArgLysLeuPheSerAspLeuGlySerTyrAla 37
Db 193 ATGAACGATGAAGCAGGAACCTCTCTGACTTGGGAGTTCCTACGCA 243
RESULT 3
US-10-776-601-6
; Sequence 6, Application US/10776601
; Publication No. US20040132976A1
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; Rosen, Craig
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
; Stewart & Olstein
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/776,601
; FILING DATE: 12-Feb-2004
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/988,292
; FILING DATE: 19-Nov-2001
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-435
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 548 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..405
; NAME/KEY: mat_peptide
; LOCATION: 1..405
; SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-10-776-601-6
Alignment Scores: 1.1e-22 Length: 548
Pred. No.: 37
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Best Local Similarity: 100.00%
Mismatches: 0
Conservative: 0
Indels: 0
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Alignment Scores: 1.03e-22 Length: 521
Pred. No.: 37
Score: 188.00 Matches: 37
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
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QY 1 LysGluLeuProGlyGlyAlaLeuValLeuValAlaSerTyrAspAspProGlyThrLys 20
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Db 445 ATGAACGATGAAGCAGGAACCTCTCTGACTTGGGAGTTCCTACGCA 495
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US-09-988-292-6
; Sequence 6, Application US/09988292
; Publication No. US20020086314A1
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; Rosen, Craig
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
; Stewart & Olstein
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/988,292
; FILING DATE: 19-Nov-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/224,110
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-435
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 548 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..405
; NAME/KEY: mat_peptide
; LOCATION: 1..405
; SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-988-292-6
Alignment Scores: 1.1e-22 Length: 548
Pred. No.: 37
Score: 188.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Mismatches: 0
Conservative: 0
Indels: 0
Gaps: 0

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Query Match: 100.00% Indels: 0
DB: 17 Gaps: 0

US-09-052-855A-27 (1-37) x US-10-776-601-6 (1-548)

QY 1 LysGluileProGlyGlyAlaLeuValLeuValAlaSerTyrAspProGlyThrLys 20
DB 133 AAAGAAATTCGGGGGTGCACCTGGTGGCTCTACGACGATCCAGGACCAAA 192

QY 21 MetAsnAspGluSerArgLysLeuPheSerAspLeuGlySerTyrAla 37
DB 193 ATGAACGATGAAGCAGGAACTCTTCTGACTTGGGAGTTCTTACGCA 243

RESULT 4
US-10-106-698-2121
; Sequence 2121, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 2121
; LENGTH: 1019
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-2121

Alignment Scores:
Pred. No.: 2,388-22 Length: 1019
Score: 188.00 Matches: 37
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 15 Gaps: 0

US-09-052-855A-27 (1-37) x US-10-106-698-2121 (1-1019)

QY 1 LysGluileProGlyGlyAlaLeuValLeuValAlaSerTyrAspProGlyThrLys 20
DB 399 AAAGAAATTCGGGGGTGCACCTGGTGGCTCTTCTGACTTGGGAGTTCTTACGCA 458

QY 21 MetAsnAspGluSerArgLysLeuPheSerAspLeuGlySerTyrAla 37
DB 459 ATGAACGATGAAGCAGGAACTCTTCTGACTTGGGAGTTCTTACGCA 509

RESULT 5
US-10-276-774-872/c
; Sequence 872, Application US/10276774
; Publication No. US20040053245A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; APPLICANT: Tang, Y. Tom et al
; TITLE OF INVENTION: No. US20040053245A1el Nucleic Acids and Polypeptides
; FILE REFERENCE: 21272-030
; CURRENT APPLICATION NUMBER: US/10/276,774
; CURRENT FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: 09/560,875
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 09/496,914
; PRIOR FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 2700
; SOFTWARE: Custom
; SEQ ID NO 872
```

```
; LENGTH: 1078
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(1078)
; OTHER INFORMATION: n = a,t,c or g
US-10-276-774-872

Alignment Scores:
Pred. No.: 2,558-22 Length: 1078
Score: 188.00 Matches: 37
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 13 Gaps: 0

US-09-052-855A-27 (1-37) x US-10-276-774-872 (1-1078)

QY 1 LysGluileProGlyGlyAlaLeuValLeuValAlaSerTyrAspProGlyThrLys 20
DB 633 AAAGAAATTCGGGGGTGCACCTGGTGGCTCTTCTGACTTGGGAGTTCTTACGCA 574

QY 21 MetAsnAspGluSerArgLysLeuPheSerAspLeuGlySerTyrAla 37
DB 573 ATGAACGATGAAGCAGGAACTCTTCTGACTTGGGAGTTCTTACGCA 523

RESULT 6
US-10-099-926-1974
; Sequence 1974, Application US/10099926
; Publication No. US20030166064A1
; GENERAL INFORMATION:
; APPLICANT: King, Gordon E.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Xu, Jiangchun
; APPLICANT: Secrist, Heather
; APPLICANT: Jiang, Yugu
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.547C2
; CURRENT APPLICATION NUMBER: US/10/099,926
; CURRENT FILING DATE: 2002-03-17
; NUMBER OF SEQ ID NOS: 1982
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1974
; LENGTH: 1212
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-099-926-1974

Alignment Scores:
Pred. No.: 2,968-22 Length: 1212
Score: 188.00 Matches: 37
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 15 Gaps: 0

US-09-052-855A-27 (1-37) x US-10-099-926-1974 (1-1212)

QY 1 LysGluileProGlyGlyAlaLeuValLeuValAlaSerTyrAspProGlyThrLys 20
DB 606 AAAGAAATTCGGGGGTGCACCTGGTGGCTCTTCTGACTTGGGAGTTCTTACGCA 665

QY 21 MetAsnAspGluSerArgLysLeuPheSerAspLeuGlySerTyrAla 37
DB 666 ATGAACGATGAAGCAGGAACTCTTCTGACTTGGGAGTTCTTACGCA 716

RESULT 7
US-10-764-100-1
; Sequence 1, Application US/10764100
; Publication No. US20040137575A1
; GENERAL INFORMATION:
```


;
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/101071
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/101279
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: 60/101471
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: 60/101472
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: 60/101474
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: 60/101475
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: 60/101476
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: 60/101477
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: 60/101479
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: 60/101738
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101741
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101743
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101915
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101916
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/102207
; PRIOR FILING DATE: 1998-09-29
; PRIOR APPLICATION NUMBER: 60/102240
; PRIOR FILING DATE: 1998-09-29
; PRIOR APPLICATION NUMBER: 60/102307
; PRIOR FILING DATE: 1998-09-29
; PRIOR APPLICATION NUMBER: 60/102330
; PRIOR FILING DATE: 1998-09-29
; PRIOR APPLICATION NUMBER: 60/102331
; PRIOR FILING DATE: 1998-09-29
; PRIOR APPLICATION NUMBER: 60/102484
; PRIOR FILING DATE: 1998-09-30
; PRIOR APPLICATION NUMBER: 60/102487
; PRIOR FILING DATE: 1998-09-30
; PRIOR APPLICATION NUMBER: 60/102570
; PRIOR FILING DATE: 1998-09-30
; PRIOR APPLICATION NUMBER: 60/102571
; PRIOR FILING DATE: 1998-09-30
; PRIOR APPLICATION NUMBER: 60/102684
; PRIOR FILING DATE: 1998-10-01
; PRIOR APPLICATION NUMBER: 60/102687
; PRIOR FILING DATE: 1998-10-01
; PRIOR APPLICATION NUMBER: 60/102965
; PRIOR FILING DATE: 1998-10-02
; PRIOR APPLICATION NUMBER: 60/103258
; PRIOR FILING DATE: 1998-10-06
; PRIOR APPLICATION NUMBER: 60/103314
; PRIOR FILING DATE: 1998-10-07
; PRIOR APPLICATION NUMBER: 60/103315
; PRIOR FILING DATE: 1998-10-07
; PRIOR APPLICATION NUMBER: 60/103328
; PRIOR FILING DATE: 1998-10-07
; PRIOR APPLICATION NUMBER: 60/103395
; PRIOR FILING DATE: 1998-10-07
; PRIOR APPLICATION NUMBER: 60/103396
; PRIOR FILING DATE: 1998-10-07
; PRIOR APPLICATION NUMBER: 60/103401
; PRIOR FILING DATE: 1998-10-07
; PRIOR APPLICATION NUMBER: 60/103449
; PRIOR FILING DATE: 1998-10-06
; PRIOR APPLICATION NUMBER: 60/103633
; PRIOR FILING DATE: 1998-10-08
; PRIOR APPLICATION NUMBER: 60/103678
; PRIOR FILING DATE: 1998-10-08

;
; PRIOR APPLICATION NUMBER: 60/103679
; PRIOR FILING DATE: 1998-10-08
; PRIOR APPLICATION NUMBER: 60/103711
; PRIOR FILING DATE: 1998-10-08
; PRIOR APPLICATION NUMBER: 60/104257
; PRIOR FILING DATE: 1998-10-14
; PRIOR APPLICATION NUMBER: 60/104987
; PRIOR FILING DATE: 1998-10-20
; PRIOR APPLICATION NUMBER: 60/105000
; PRIOR FILING DATE: 1998-10-20
; PRIOR APPLICATION NUMBER: 60/105002
; PRIOR FILING DATE: 1998-10-20
; PRIOR APPLICATION NUMBER: 60/105104
; PRIOR FILING DATE: 1998-10-21
; PRIOR APPLICATION NUMBER: 60/105169
; PRIOR FILING DATE: 1998-10-22
; PRIOR APPLICATION NUMBER: 60/105266
; PRIOR FILING DATE: 1998-10-22
; PRIOR APPLICATION NUMBER: 60/105693
; PRIOR FILING DATE: 1998-10-26
; PRIOR APPLICATION NUMBER: 60/105694
; PRIOR FILING DATE: 1998-10-26
; PRIOR APPLICATION NUMBER: 60/105807

Alignment Scores:
Pred. No.: 3.34e-22 Length: 1337
Score: 188.00 Matches: 37
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-052-855A-27 (1-37) x US-09-946-374-414 (1-1337)

QY 1 LysGluIleProGlyAlaLeuValLeuAlaSerTyrAspAspProGlyThrIys 20
Db 711 AAAGAAATTCGGGGGGTGCACTGGTGTGGCTCTACGACGATCCAGGACCAA 770
QY 21 MetAsnAspGluSerArgLysLeuPheSerAspLeuGlySerSerTyrAla 37
Db 771 ATGAACGATGAAGACGAGAAACTCTTCTGTGGGAGTTCTACGCA 821

RESULT 9

US-10-015-395A-414
; Sequence 414, Application US/10015395A
; Publication No. US20040073015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan I.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paohli, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C57
; CURRENT APPLICATION NUMBER: US/10/015.395A
; PRIOR application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 414
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-015-395A-414

```
Alignment Scores:
Pred. No.: 3,34e-22 Length: 1337
Score: 188.00 Matches: 37
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 12 Gaps: 0

US-09-052-855A-27 (1-37) x US-10-015-395A-414 (1-1337)
QY 1 LysGlulProGlyGlyAlaLeuValLeuValAlaSerTyrAspAspProGlyThrLys 20
Db 711 AAAGAAATTCGGGGGGTGCACCTGGTGGTGGCTCTACGACGATCCAGGACCAA 770
QY 21 MetAsnAspGluSerArgLysLeuPheSerAspLeuGlySerTyrAla 37
Db 771 ATGAACGATGAAGCAGCAAACTCTTCTGACTTGGGAGTTCCTACGCA 821

RESULT 10
US-10-147-493-459
; Sequence 459, Application US/10147493
; Publication No. US20040029217A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C345
; CURRENT APPLICATION NUMBER: US/10/147,493
; CURRENT FILING DATE: 2002-05-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-147-493-459
Alignment Scores:
Pred. No.: 3,34e-22 Length: 1337
Score: 188.00 Matches: 37
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 13 Gaps: 0

US-09-052-855A-27 (1-37) x US-10-147-493-459 (1-1337)
QY 1 LysGlulProGlyGlyAlaLeuValLeuValAlaSerTyrAspAspProGlyThrLys 20
Db 711 AAAGAAATTCGGGGGGTGCACCTGGTGGTGGCTCTACGACGATCCAGGACCAA 770
QY 21 MetAsnAspGluSerArgLysLeuPheSerAspLeuGlySerTyrAla 37
Db 771 ATGAACGATGAAGCAGCAAACTCTTCTGACTTGGGAGTTCCTACGCA 821

RESULT 11
US-10-147-493-459
; Sequence 459, Application US/10147493
; Publication No. US20040029217A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C345
; CURRENT APPLICATION NUMBER: US/10/147,493
; CURRENT FILING DATE: 2002-05-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-147-493-459
Alignment Scores:
Pred. No.: 3,34e-22 Length: 1337
Score: 188.00 Matches: 37
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 13 Gaps: 0

US-09-052-855A-27 (1-37) x US-10-147-493-459 (1-1337)
QY 1 LysGlulProGlyGlyAlaLeuValLeuValAlaSerTyrAspAspProGlyThrLys 20
Db 711 AAAGAAATTCGGGGGGTGCACCTGGTGGTGGCTCTACGACGATCCAGGACCAA 770
QY 21 MetAsnAspGluSerArgLysLeuPheSerAspLeuGlySerTyrAla 37
Db 771 ATGAACGATGAAGCAGCAAACTCTTCTGACTTGGGAGTTCCTACGCA 821
```

```
US-10-145-127-459
; Sequence 459, Application US/10145127
; Publication No. US20040033558A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C252
; CURRENT APPLICATION NUMBER: US/10/145,127
; CURRENT FILING DATE: 2002-05-13
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-145-127-459
Alignment Scores:
Pred. No.: 3,34e-22 Length: 1337
Score: 188.00 Matches: 37
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 13 Gaps: 0

US-09-052-855A-27 (1-37) x US-10-145-127-459 (1-1337)
QY 1 LysGlulProGlyGlyAlaLeuValLeuValAlaSerTyrAspAspProGlyThrLys 20
Db 711 AAAGAAATTCGGGGGGTGCACCTGGTGGTGGCTCTACGACGATCCAGGACCAA 770
QY 21 MetAsnAspGluSerArgLysLeuPheSerAspLeuGlySerTyrAla 37
Db 771 ATGAACGATGAAGCAGCAAACTCTTCTGACTTGGGAGTTCCTACGCA 821

RESULT 12
US-10-160-503-459
; Sequence 459, Application US/10160503
; Publication No. US20040033559A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
```

```

; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C446
; CURRENT APPLICATION NUMBER: US/10/160,503
; CURRENT FILING DATE: 2002-05-30
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-160-503-459

Alignment Scores:
Pred. NO.:          3,34e-22          Length:          1337
Score:              188.00            Matches:         37
Percent Similarity: 100.00%           Conservative:    0
Best Local Similarity: 100.00%         Mismatches:     0
Query Match:        100.00%           Indels:         0
DB:                  13                Gaps:           0

US-09-052-855A-27 (1-37) x US-10-160-503-459 (1-1337)

QY      1  LysGluIleProGlyGlyAlaLeuValLeuValAlaSerTyrAspAspProGlyThrLys 20
Db      711  AAAAGAAATTCGGGGGGGTGCACGTGTGTGTGTGTCTCTACGACGATCCGGGACCAA 770

QY      21  MetAsnAspGluSerArgLysLeuPheSerAspLeuGlySerSerTyrAla 37
Db      771  ATGAACGAATGAACAGAGAAACTCTTCTGTGATTTGGGGAGTTCCTACGCA 821

```

```

RESULT 13
US-10-143-118-459
; Sequence 459, Application US/10143118
; Publication No. US20040038335A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: F330R1C228
; CURRENT APPLICATION NUMBER: US/10/143,118
; CURRENT FILING DATE: 2002-05-09
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-143-118-459

Alignment Scores:
Pred. No.: 3,34e-22
Score: 188.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 100.00%
DB: 13
Length: 1337
Matches: 37
Conservative: 0
Mismatchches: 0
Indels: 0
Gaps: 0

```

```

US-09-052-855A-27 (1-37) x US-10-143-118-459 (1-1337)

QY 1 LysGluIleProGlyGlyAlaLeuValLeuValAlaSerTyrAspProGlyThrLys 20
Db 711 AAGAAATTCGGGGGGTGCATCTGGTCTGGTGGGCTCTACGACATCCAGGACCAA 770

QY 21 MetAsnAspGluSerArgLysLeuPheSerAspLeuGlySerSerTyrAla 37
Db 771 ATGAACGATGAAGCAGGAAACTCTTCTGACTTTGGGGAGTTCTTCACGCA 821

RESULT 14
US-10-144-993-459
; Sequence 459, Application US/10144993
; Publication No. US20040038336A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330RIC261
; CURRENT APPLICATION NUMBER: US/10/144,993
; CURRENT FILING DATE: 2002-05-13
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-144-993-459

Alignment Scores:
Fred. No.: 3.34e-22 Length: 1337
Score: 188.00 Matches: 37
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 13 Gaps: 0

US-09-052-855A-27 (1-37) x US-10-144-993-459 (1-1337)

QY 1 LysGluIleProGlyGlyAlaLeuValLeuValAlaSerTyrAspProGlyThrLys 20
Db 711 AAGAAATTCGGGGGGTGCATCTGGTCTGGTGGGCTCTACGACATCCAGGACCAA 770

QY 21 MetAsnAspGluSerArgLysLeuPheSerAspLeuGlySerSerTyrAla 37
Db 771 ATGAACGATGAAGCAGGAAACTCTTCTGACTTTGGGGAGTTCTTCACGCA 821

```

```

RESULT 15
US-10-158-787-459
; Sequence 459, Application US/10158787
; Publication No. US20040039164A1
; GENERAL INFORMATION:
;
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnovers, Inc

```

Mon Aug 30 09:23:31 2004

```
; APPLICANT: Pilvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330RIC449
; CURRENT APPLICATION NUMBER: US/10/158,787
; CURRENT FILING DATE: 2003-04-03
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-158-787-459
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Alignment Scores:
Pred. No.: 3.34e-22 Length: 1337
Score: 188.00 Matches: 37
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 13 Gaps: 0

US-09-052-855A-27 (1-37) x US-10-158-787-459 (1-1337)

Qy 1 LyschulleProglyAlaLeuValLeuValAlaSerTyrAspAspProGlyThrLys 20
Db 711 AAAGAAATTCGGGGGGTGCACCTGGTGGCTCTCCACGACGATCCAGGACCAA 770
Qy 21 MetAsnAspGluSerArgLysLeuPheSerAspLeuGlySerSerTyrAla 37
Db 771 ATGACGATGAAAGACGAGAAACTCTCTCTGACTTGGGGAGTTCCTACGCA 821
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Search completed: August 28, 2004, 13:44:34
Job time : 161.464 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - nucleic search, using frame_plus_p2n model

Run on: August 28, 2004, 06:19:16 ; Search time 26.4191 Seconds
(without alignments)
840.227 Million cell updates/sec

Title: US-09-052-855A-28

Perfect score: 226

Sequence: 1 WVFICAKDLRGKSPFEQFLKNSPDITNKYBGWPELLEMEGC 40

Scoring table:

BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:

-MODEL=frame.p2n.model -DEV=xlh

-Q=/cgn2_1/USFTO_spool/US09052855/runat_25082004_171005_17141/app_query.fasta_1.1187

-DB=Issued Patents NA -OFMT=fastap -SUFFIX=rni -MINMATCH=0.1 -LOOPECL=0

-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi

-LIST=45 -DOCALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15

-MODE=LOCAL -OUTFMT=ptio -NORM=ext -HEADSIZE=500 -MINLEN=0 -MAXLEN=2000000000

-USER=US09052855@cgn_1_1_163@runat_25082004_171005_17141 -NCFU=6 -ICPU=3

-NO_WMAP -LARGEQUERY -NEG SCORES=0 -WAIT -DSPLOCK=100 -LONGLOG

-DEV_TIMEOUT=120 -WARN_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOF=6

-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

Issued Patents NA.*

1: /cgn2_6/ptodata/2/ina/5A_COMB.seq.*

2: /cgn2_6/ptodata/2/ina/5B_COMB.seq.*

3: /cgn2_6/ptodata/2/ina/6A_COMB.seq.*

4: /cgn2_6/ptodata/2/ina/6B_COMB.seq.*

5: /cgn2_6/ptodata/2/ina/PTUS_COMB.seq.*

6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	226	100.0	548	1	US-08-469-667-6
2	226	100.0	548	4	US-09-224-110-6
3	226	100.0	548	5	PCT-US95-07289-6
4	226	100.0	1067	3	US-09-045-193-1
5	171	75.7	2475	4	US-09-220-132-179
6	89	39.4	876	4	US-09-167-513-1
7	89	39.4	913	4	US-09-702-114A-1
8	89	39.4	948	4	US-09-247-155-50
9	89	39.4	948	4	US-09-593-360B-13
10	89	39.4	957	4	US-09-866-028-90
11	76	33.6	705	4	US-09-167-513-8
12	64.5	28.5	2821	2	US-08-680-395-6

13	63.5	28.1	4133	4	US-09-688-188B-11	Sequence 11, Appl
14	63.5	28.1	4133	4	US-09-291-417D-11	Sequence 11, Appl
15	62	27.4	3798	4	US-09-688-188B-9	Sequence 9, Appl
16	62	27.4	3798	4	US-09-291-417D-9	Sequence 9, Appl
17	62	27.4	4266	4	US-09-651-011A-3	Sequence 3, Appl
18	58.5	25.9	1467	4	US-09-489-039A-4350	Sequence 4350, Ap
19	58	25.7	1332	3	US-09-221-235-15	Sequence 15, Appl
20	58	25.7	1332	3	US-09-221-928-15	Sequence 15, Appl
21	58	25.7	1332	3	US-09-221-527-15	Sequence 15, Appl
22	58	25.7	1332	3	US-09-221-236-15	Sequence 15, Appl
23	58	25.7	1332	3	US-09-221-416-15	Sequence 15, Appl
24	58	25.7	1332	3	US-09-221-245-15	Sequence 15, Appl
25	58	25.7	1332	3	US-09-163-115-15	Sequence 15, Appl
26	58	25.7	1332	3	US-09-221-528-15	Sequence 15, Appl
27	58	25.7	1332	3	US-09-593-553-15	Sequence 15, Appl
28	58	25.7	1332	3	US-09-221-235-13	Sequence 13, Appl
29	58	25.7	1333	3	US-09-221-235-13	Sequence 13, Appl
30	58	25.7	1333	3	US-09-221-928-13	Sequence 13, Appl
31	58	25.7	1333	3	US-09-221-527-13	Sequence 13, Appl
32	58	25.7	1333	3	US-09-221-236-13	Sequence 13, Appl
33	58	25.7	1333	3	US-09-221-416-13	Sequence 13, Appl
34	58	25.7	1333	3	US-09-221-245-13	Sequence 13, Appl
35	58	25.7	1333	3	US-09-163-115-13	Sequence 13, Appl
36	58	25.7	1333	3	US-09-221-528-13	Sequence 13, Appl
37	58	25.7	1333	3	US-09-593-553-13	Sequence 13, Appl
38	58	25.7	1333	3	US-09-221-237-13	Sequence 13, Appl
39	58	25.7	3807	4	US-09-645-456A-8	Sequence 8, Appl
40	58	25.7	3807	4	US-09-425-324A-8	Sequence 8, Appl
41	58	25.7	3807	4	US-09-645-791-8	Sequence 8, Appl
42	58	25.7	3831	4	US-09-645-456A-5	Sequence 5, Appl
43	58	25.7	3831	4	US-09-425-324A-5	Sequence 5, Appl
44	58	25.7	3831	4	US-09-645-791-5	Sequence 5, Appl
45	58	25.7	3894	4	US-09-645-456A-7	Sequence 7, Appl

ALIGNMENTS

RESULT 1

US-08-469-667-6

; Sequence 6, Application US/08469667

; Patent No. 5733748

; GENERAL INFORMATION:

; APPLICANT: Yu, Guo-Liang

; APPLICANT: Rosen, Craig

; TITLE OF INVENTION: Colon Specific Genes and Proteins

; NUMBER OF SEQUENCES: 24

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,

; ADDRESSEE: Stewart & Olstein

; STREET: 6 Becker Farm Road

; CITY: Roseland

; STATE: NJ

; COUNTRY: USA

; ZIP: 07068-1739

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/469,667

; FILING DATE: 06-JUN-1995

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: Ferraro, Gregory D.

; REGISTRATION NUMBER: 36,134

; REFERENCE/DOCKET NUMBER: 325800-435

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 201-994-1700

; TELEFAX: 201-994-1744

; INFORMATION FOR SEQ ID NO: 6:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 548 base pairs

Alignment Scores:	1.72e-27	Length:	548
Pred. No.:	226.00	Matches:	40
Score:	100.00%	Conservative:	0
Percent Similarity:	100.00%	Mismatches:	0
Best Local Similarity:	100.00%	Indels:	0
Query Match:	100.00%	Gaps:	0
DB:	5		

US-09-052-855A-28 (1-40) x PCT-US95-07289-6 (1-548)

QY	1	T	TrpValPheIleGlyAlaIlyAspLeuArgGlyIysSerProPheGluGlnPheLeuLys	20
Db	268	TGGGCTCTTCATAGGAGCCAAAGACCTCAGGGGTAAAGCCCCCTTTGAGCGAGTTCTTAAAG	327	
QY	21	A	AsnSerProAspThrAsnLysTyrGluGlyTyrProGluLeuLeuGluMetGluGlyCys	40
Db	328	AACAGCCCCAGACACAAACAAATACAGAGGATGGCCAGAGCTGCTGTGAGATGGAGGGGCTGC	387	

RESULT 4

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US-09-045-193-1
; Sequence 1, Application US/09045193
; Patent No. 624550
; GENERAL INFORMATION:
; APPLICANT: HENSLEY, PRESTON
; APPLICANT: ROSE, GEORGE
; APPLICANT: AURORA, RAJEEV
; APPLICANT: ABDEL-MEGUID, SHERIN
; APPLICANT: YOUNG, PETER
; APPLICANT: ZHU, YUAN
; APPLICANT: MOONEY, JEFFREY
; APPLICANT: BERGSMÄ, DERK
; APPLICANT: GUERRERA, STEPHANIE
; APPLICANT: ELLIS, CATHERINE
; TITLE OF INVENTION: The Cytokine Family Member
; TITLE OF INVENTION: EP-7
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ratner & Prestia
; STREET: P.O. Box 980
; CITY: Valley Forge
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/045,193
; FILING DATE: 20-MAR-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Prestia, Paul F
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: GP-70421
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0701
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1067 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
US-09-045-193-1

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Alignment Scores:

Pred. No.:	4.22e-27	Length:	1067
Score:	226.00	Matches:	40
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	3	Gaps:	0

US-09-052-855A-28 (1-40) x US-09-045-193-1 (1-1067)

Qy	1	TTPValPheIleGlyAlaIysAspLeuArgGlyIysSerProPheGluGluPheLeuLys	20
Db	579	TGGGTCCTCATAGGAGCCAAAGACCTCAGGGTAAAGCCCCCTTTGAGCAGTCTCTTAAG	638
Qy	21	AsnSerProAspThrAsnLysTyrGluGlyTyrProGluLeuLeuGluMetGluGlyCys	40
Db	639	AACAGCCCGAGCACAAACAAATAGAGGGATGGCCAGAGTGTGGACATGGAGGGCTGC	698

RESULT 5

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US-09-220-132-179
; Sequence 179, Application US/09220132
; Patent No. 6506607
; GENERAL INFORMATION:
; APPLICANT: Shyjan, Andrew W.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS
; OF PROSTATE CANCER THERAPY
; FILE REFERENCE: 07334-074001
; CURRENT APPLICATION NUMBER: US/09/220,132
; CURRENT FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: US 60/079,303
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: US 60/068,821
; PRIOR FILING DATE: 1997-12-24
; NUMBER OF SEQ ID NOS: 191
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 179
; LENGTH: 2475
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-220-132-179

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Alignment Scores:

Pred. No.:	1,02e-17	Length:	2475
Score:	171.00	Matches:	28
Percent Similarity:	85.00%	Conservative:	6
Best Local Similarity:	70.00%	Mismatches:	6
Query Match:	75.66%	Indels:	0
DB:	4	Gaps:	0

US-09-052-855A-28 (1-40) x US-09-220-132-179 (1-2475)

[illegible]

RESULT 6

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US-09-167-513-1
; Sequence 1, Application US/09167513
; Patent No. 638064
; GENERAL INFORMATION:
; APPLICANT: Conklin, Darrell C.
; APPLICANT: Blumberg, Hal
; TITLE OF INVENTION: A HUMAN 2-19 PROTEIN HOMOLOGUE, Z219A
; FILE REFERENCE: 97-63
; CURRENT APPLICATION NUMBER: US/09/167,513
; CURRENT FILING DATE: 1998-10-06
; EARLIER APPLICATION NUMBER: US 60/061,712
; EARLIER FILING DATE: 1997-10-06
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 3.0

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; SEQ ID NO 1
; LENGTH: 876
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (119)...(823)
US-09-167-513-1

Alignment Scores:
Pred. No.: 4,51e-05 Length: 876
Score: 89.00 Matches: 18
Percent Similarity: 57.14% Conservatives: 6
Best Local Similarity: 42.86% Mismatches: 16
Query Match: 39.38% Indels: 2
DB: Gaps: 1

US-09-052-855A-28 (1-40) x US-09-167-513-1 (1-876)
QY 1 TrpValPheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLys 20
Db 680 TGGGTATTTATTCAGCAAAAGGCTTGGAACTCCCTTCGAAATTCAGAGAGAAAGATC 739
QY 21 AsnSerProAsp-----ThrAsnLysTyrGluGlyTyrProGluLeuLeuMetGlu 38
Db 740 AACCACTCTGATGCTTAAGAACACAGATATTTCTGGCTGGCCTGCAGAGATCCAGATAGAA 799

QY 39 GlyCys 40
Db 800 GGCTGC 805

RESULT 7
US-09-702-114A-1
; Sequence 1, Application US/09702114A
; Patent No. 6566078
; GENERAL INFORMATION:
; APPLICANT: Arthur B. Raitano
; APPLICANT: Aya Jakobovits
; APPLICANT: Mary Paris
; APPLICANT: Daniel E.H. Afar
; APPLICANT: Rene S. Hubert
; APPLICANT: Steve Chapell Mitchell
; TITLE OF INVENTION: 36Pd5: SECRETED TUMOR ANTIGEN
; FILE REFERENCE: 129.22-US-UI
; CURRENT APPLICATION NUMBER: US/09/702,114A
; CURRENT FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: 60/162,417
; PRIOR FILING DATE: 1999-10-28
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 913
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-09-702-114A-1

Alignment Scores:
Pred. No.: 4,76e-05 Length: 913
Score: 89.00 Matches: 18
Percent Similarity: 57.14% Conservatives: 6
Best Local Similarity: 42.86% Mismatches: 16
Query Match: 39.38% Indels: 2
DB: Gaps: 1

US-09-052-855A-28 (1-40) x US-09-702-114A-1 (1-913)
QY 1 TrpValPheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLys 20
Db 620 TGGGTATTTATTCAGCAAAAGGCTTGGAACTCCCTTCGAAATTCAGAGAGAAAGATC 679
QY 21 AsnSerProAsp-----ThrAsnLysTyrGluGlyTyrProGluLeuLeuMetGlu 38
Db 680 AACCACTCTGATGCTTAAGAACACAGATATTTCTGGCTGGCCTGCAGAGATCCAGATAGAA 739
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QY 39 GlyCys 40
Db 740 GGCTGC 745

RESULT 8
US-09-247-155-50
; Sequence 50, Application US/09247155A
; Patent No. 6312922
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, Jean-Baptiste
; APPLICANT: Duclert, Aymeric
; APPLICANT: Bouqueleret, Lydie
; TITLE OF INVENTION: Complementary DNAs
; FILE REFERENCE: GENSET.021A
; CURRENT APPLICATION NUMBER: US/09/247,155A
; CURRENT FILING DATE: 1999-02-09
; EARLIER APPLICATION NUMBER: 60/074,121
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/081,563
; EARLIER FILING DATE: 1998-04-13
; EARLIER APPLICATION NUMBER: 60/096,116
; EARLIER FILING DATE: 1998-08-10
; EARLIER APPLICATION NUMBER: 60/099,273
; EARLIER FILING DATE: 1998-10-04
; NUMBER OF SEQ ID NOS: 182
; SOFTWARE: Patent.pm
; SEQ ID NO 50
; LENGTH: 948
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 80..784
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: 80..139
; OTHER INFORMATION: Von Heijne matrix
; OTHER INFORMATION: score 4
; OTHER INFORMATION: seq LLKVFVFVSLC/AW
; FEATURE:
; NAME/KEY: polyA_signal
; LOCATION: 910..915
; FEATURE:
; NAME/KEY: polyA_site
; LOCATION: 933..948
US-09-247-155-50

Alignment Scores:
Pred. No.: 5,01e-05 Length: 948
Score: 89.00 Matches: 18
Percent Similarity: 57.14% Conservatives: 6
Best Local Similarity: 42.86% Mismatches: 16
Query Match: 39.38% Indels: 2
DB: Gaps: 1

US-09-052-855A-28 (1-40) x US-09-247-155-50 (1-948)
QY 1 TrpValPheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLys 20
Db 641 TGGGTATTTATTCAGCAAAAGGCTTGGAACTCCCTTCGAAATTCAGAGAGAAAGATC 700
QY 21 AsnSerProAsp-----ThrAsnLysTyrGluGlyTyrProGluLeuLeuMetGlu 38
Db 701 AACCACTCTGATGCTTAAGAACACAGATATTTCTGGCTGGCCTGCAGAGATCCAGATAGAA 760

QY 39 GlyCys 40
Db 761 GGCTGC 766

RESULT 9
US-09-599-360B-13
; Sequence 13, Application US/09599360B
```

```
/ Patent No. 6548633
/ GENERAL INFORMATION:
/ APPLICANT: Dumas Milne Edwards, J.B.
/ APPLICANT: Bougueleret, L.
/ APPLICANT: Jobert, S.
/ TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
/ FILE REFERENCE: GENSET.050CP3
/ CURRENT APPLICATION NUMBER: US/09/599,360B
/ PRIOR FILING DATE: 2000-06-21
/ PRIOR FILING DATE: 1998-12-22
/ PRIOR APPLICATION NUMBER: 60/113,686
/ PRIOR FILING DATE: 1998-12-22
/ PRIOR APPLICATION NUMBER: 60/141,032
/ PRIOR FILING DATE: 1999-06-25
/ PRIOR APPLICATION NUMBER: 09/469,099
/ PRIOR FILING DATE: 1999-12-21
/ NUMBER OF SEQ ID NOS: 123
/ SOFTWARE: Patent.pm
/ SEQ ID NO 13
/ LENGTH: 948
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 80..784
/ NAME/KEY: sig_peptide
/ LOCATION: 80..139
/ OTHER INFORMATION: Von Heijne matrix
/ OTHER INFORMATION: score 4
/ OTHER INFORMATION: seq LKLVFVWFASLC/AV
/ NAME/KEY: polyA signal
/ LOCATION: 910..915
/ NAME/KEY: polyA site
/ LOCATION: 933..948
US-09-599-360B-13

Alignment Scores:
Pred. No.: 5,01e-05 Length: 948
Score: 89.00 Matches: 18
Percent Similarity: 57.14% Conservative: 6
Best Local Similarity: 42.86% Mismatches: 16
Query Match: 39.38% Indels: 2
DB: 4 Gaps: 1

US-09-052-855A-28 (1-40) x US-09-599-360B-13 (1-948)

QY 1 TtpValPheIIeGlyAlaIysAspleuargGlyLysSerProPheGluGlnPheLeuLys 20
Db 641 TGGGTATTATTGCGACAAAGGCTTGGAACCTCCCTTCGAAATTCAGAGAGAAAAGATC 700

QY 21 AsnSerProAsp-----ThrAsnLysTyrGluGlyTtpProGluLeuLeuGluMetGlu 38
Db 701 AACCACTCTGATGCTAAGAACACACAGATATTCTGGCTGCGCTGCAGATCCAGATAGAA 760

QY 39 GlyCys 40
Db 761 GGCTGC 766

RESULT 10
US-09-866-028-90
/ Sequence 90, Application US/09866028
/ Patent No. 6642360
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin
/ APPLICANT: Botstein, David
/ APPLICANT: Eaton, Dan
/ APPLICANT: Ferrara, Napoleone
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gerritsen, Mary
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul
/ APPLICANT: Grimaldi, Christopher
/ APPLICANT: Gurney, Austin
/ APPLICANT: Hillan, Kenneth

Alignment Scores:
Pred. No.: 0.00425 Length: 705
Score: 76.00 Matches: 16
Percent Similarity: 47.62% Conservative: 4
Best Local Similarity: 38.10% Mismatches: 20
Query Match: 33.63% Indels: 2
DB: 4 Gaps: 1
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/ APPLICANT: Kljavin, Ivar
/ APPLICANT: Napier, Mary
/ APPLICANT: Roy, Margaret
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Wood, William
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P2548P1C1
/ CURRENT APPLICATION NUMBER: US/09/866, 028
/ CURRENT FILING DATE: 2001-05-25
/ Prior application data removed - consult PALM or file wrapper
/ NUMBER OF SEQ ID NOS: 120
/ SEQ ID NO 90
/ LENGTH: 957
/ TYPE: DNA
/ ORGANISM: Homo Sapien
US-09-866-028-90

Alignment Scores:
Pred. No.: 5,08e-05 Length: 957
Score: 89.00 Matches: 18
Percent Similarity: 57.14% Conservative: 6
Best Local Similarity: 42.86% Mismatches: 16
Query Match: 39.38% Indels: 2
DB: 4 Gaps: 1

US-09-052-855A-28 (1-40) x US-09-866-028-90 (1-957)

QY 1 TtpValPheIIeGlyAlaIysAspleuargGlyLysSerProPheGluGlnPheLeuLys 20
Db 570 TGGGTATTATTGCGACAAAGGCTTGGAACCTCCCTTCGAAATTCAGAGAGAAAAGATC 629

QY 21 AsnSerProAsp-----ThrAsnLysTyrGluGlyTtpProGluLeuLeuGluMetGlu 38
Db 630 AACCACTCTGATGCTAAGAACACACAGATATTCTGGCTGCGCTGCAGATCCAGATAGAA 689

QY 39 GlyCys 40
Db 690 GGCTGC 695

RESULT 11
US-09-167-513-8
/ Sequence 8, Application US/09167513
/ Patent No. 6388064
/ GENERAL INFORMATION:
/ APPLICANT: Conklin, Darrell C.
/ APPLICANT: Blumberg, Hal
/ TITLE OF INVENTION: A HUMAN 2-19 PROTEIN HOMOLOGUE, Z219A
/ FILE REFERENCE: 97-63
/ CURRENT APPLICATION NUMBER: US/09/167,513
/ CURRENT FILING DATE: 1998-10-06
/ EARLIER APPLICATION NUMBER: US 60/061,712
/ EARLIER FILING DATE: 1997-10-06
/ NUMBER OF SEQ ID NOS: 28
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 8
/ LENGTH: 705
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ NAME/KEY: variation
/ LOCATION: (1)...(705)
/ OTHER INFORMATION: Z219a Degenerate polynucleotide sequence
/ OTHER INFORMATION: N is any nucleotide
US-09-167-513-8

Alignment Scores:
Pred. No.: 0.00425 Length: 705
Score: 76.00 Matches: 16
Percent Similarity: 47.62% Conservative: 4
Best Local Similarity: 38.10% Mismatches: 20
Query Match: 33.63% Indels: 2
DB: 4 Gaps: 1
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US-09-052-855A-28 (1-40) x US-09-167-513-8 (1-705)
QY 1 TtpValPheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLys 20
Db 562 TGGGINTTATGCGCNAARGNTGARYTNCNWSNGARATHCARMGNGARAARATH 621
QY 21 AnSerProAsp-----ThrAsnLysTyrGluGlyTtpProGluLeuGluMetGlu 38
Db 622 AAYCAYWSNGAYGCNAARAAYAYMGNTAYWSNGNTGCGCNGARATHCARATHGAR 681
QY 39 GlyCys 40
Db 682 GNGTY 687
RESULT 12
US-08-680-395-6
; Sequence 6, Application US/08680395
; Patent No. 5892010
; GENERAL INFORMATION:
; APPLICANT: Gray, Joe W.
; APPLICANT: Collins, Colin
; APPLICANT: Hwang, Soo-in
; APPLICANT: Godfrey, Tony
; APPLICANT: Kowbel, David
; APPLICANT: Rommens, Johanna
; TITLE OF INVENTION: Genes from the 20q13 Amplicon and Their
; TITLE OF INVENTION: Uses
; NUMBER OF SEQUENCES: 40
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 15-JUL-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Bastian, Kevin L.
; REGISTRATION NUMBER: 34,774
; REFERENCE/DOCKET NUMBER: 023070-068900US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2821 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; FEATURE:
; NAME/KEY: -
; LOCATION: 1..2821
; OTHER INFORMATION: /note= "cdna clone GCAP encodes a
; OTHER INFORMATION: guanino cyclase activating protein
US-08-680-395-6
Alignment Scores:
Pred. No.: 1.98 Length: 2821
Score: 64.50 Matches: 16
Percent Similarity: 60.00% Conservative: 8
Best Local Similarity: 40.00% Mismatches: 13
Query Match: 28.54% Indels: 3

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DB: 2 Gaps: 3
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Db 1400 TGGGTGTTCTCAGTTTGGAGCAAGAGCCAACTGAGGGGTGAGGGTCCCAACAGCAAAATC 1459
QY 19 LeuLysAsnSerProAspThrAsnLysTyrGluGlyTtpProGluLeuGluMetGlu 38
Db 1460 AGAATAGCAACACAAAGACTGCTAGGAGGCGAGGGTGG---GAGGGTGTGAGACTGAA 1516
RESULT 13
US-09-688-188B-11
; Sequence 11, Application US/09688188B
; Patent No. 6656716
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: MARTINEZ, RICARDO
; APPLICANT: WHYTE, DAVID
; TITLE OF INVENTION: STE20-RELATED PROTEIN KINASES
; FILE REFERENCE: 038602/0328
; CURRENT APPLICATION NUMBER: US/09/688,188B
; CURRENT FILING DATE: 2000-10-16
; PRIOR APPLICATION NUMBER: 09/291,417
; PRIOR FILING DATE: 1999-04-14
; PRIOR APPLICATION NUMBER: 60/081,784
; PRIOR FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 11
; LENGTH: 4133
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-688-188B-11
Alignment Scores:
Pred. No.: 4.8 Length: 4133
Score: 63.50 Matches: 13
Percent Similarity: 53.12% Conservative: 4
Best Local Similarity: 40.62% Mismatches: 10
Query Match: 28.10% Indels: 5
DB: 4 Gaps: 1
US-09-052-855A-28 (1-40) x US-09-688-188B-11 (1-4133)
QY 9 LeuArgGlyLysSerProPheGluGlnPheLeuLysAsnSerProAspThrAsnLysTyr 28
Db 3250 CTCGGAACAAG-----ATTCTGCAATGACCCAGAGTGGAGAGAGAG 3294
QY 29 GluGlyTtpProGluLeuGluMetGluGlyCys 40
Db 3295 CAGGGCTGGACCACTGGGGGACATGAGGGCTGC 3330
RESULT 14
US-09-291-417D-11
; Sequence 11, Application US/09291417D
; Patent No. 6680170
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: MARTINEZ, RICARDO
; APPLICANT: WHYTE, DAVID
; TITLE OF INVENTION: STE20-RELATED PROTEIN KINASES
; FILE REFERENCE: 038602/0329
; CURRENT APPLICATION NUMBER: US/09/291,417D
; CURRENT FILING DATE: 1999-04-13
; PRIOR APPLICATION NUMBER: 60/081,784
; PRIOR FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 11
; LENGTH: 4133
; TYPE: DNA

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; ORGANISM: Homo sapiens
US-09-291-417D-11

Alignment Scores:
Pred. No.:      4.8      Length:      4133
Score:          63.50    Matches:      13
Percent Similarity: 53.12% Conservative: 4
Best Local Similarity: 40.62% Mismatches: 10
Query Match:     28.10% Indels:      5
DB:              4      Gaps:       1

US-09-052-855A-28 (1-40) x US-09-291-417D-11 (1-4133)

QY      9 LeuArgGlyLysSerProPheGluGlnPheLeuLysAsnSerProAspThrAsnLysTyr 28
Db      3250 CTCGGAAACAAG-----ATCTGCACATGACCCAGAGTGGAGAGAAG 3294

QY      29 GluGlyTyrProGluLeuGluMetGluGlyCys 40
Db      3295 CAGGGCTGGACCAACCGTGGGGGACATGGAGGCTGC 3330

RESULT 15
US-09-688-188B-9
; Sequence 9, Application US/09688188B
; Patent No. 6656716
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: MARTINEZ, RICARDO
; APPLICANT: WHYTE, DAVID
; TITLE OF INVENTION: STE20-RELATED PROTEIN KINASES
; FILE REFERENCE: 038602/0328
; CURRENT APPLICATION NUMBER: US/09/688,188B
; PRIOR FILING DATE: 2000-10-16
; PRIOR APPLICATION NUMBER: 09/291,417
; PRIOR FILING DATE: 1999-04-14
; PRIOR APPLICATION NUMBER: 60/081,784
; PRIOR FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 3798
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-688-188B-9

Alignment Scores:
Pred. No.:      7.49      Length:      3798
Score:          62.00    Matches:      15
Percent Similarity: 44.44% Conservative: 5
Best Local Similarity: 33.33% Mismatches: 11
Query Match:     27.43% Indels:      14
DB:              4      Gaps:       2

US-09-052-855A-28 (1-40) x US-09-688-188B-9 (1-3798)

QY      5 GlyAlaLysAsp-----LeuArgGlyLysSerProPhe 15
Db      2956 GGCAAAAGAGATAGTACTAGTCTACTATTGTCCTGGTTAAGAAATAAA----- 3006

QY      16 GluGlnPheLeuLysAsnSerProAspThrAsnLysTyrGluGlyTyrProGluLeu 35
Db      3007 -----ATACTTCACAATGATCCAGAGTTGAGAGAGACGAGGGATGGACACCGTAGGG 3060

QY      36 GluMetGluGlyCys 40
Db      3061 GATTTGAAGGATGT 3075
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Search completed: August 28, 2004, 09:47:45
Job time : 29.4191 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - nucleic search, using frame_plus_p2n model

Run on: August 28, 2004, 09:09:25 ; Search time 173.475 Seconds
(without alignments)
1134.788 Million cell updates/sec

Title: US-09-052-855A-28
Perfect score: 226
Sequence: 1 WYFIGAKDIRGKSPFEQFLKNSPDNKNYBGPPELLEMEGC 40

Scoring table: BLOSUM62

Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 3237270 seqs, 2460713050 residues

Total number of hits satisfying chosen parameters: 6474540

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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-DB=Published Applications NA -QMT=fastap -SUFFIX=rnpb -MINMATCH=0.1
-LOOPEXT=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=blosum62
-TRANS=human40.cdi -LIST=45 -MODE=LOCAL -OUTFMT=ptc -THR SCORE=ptc -THR MAX=100
-MAXLEN=2000000000 -USER=US09052855@cgn_1_968 @runat_25082004_171006_17179
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-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications NA.*
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2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq.*
3: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq.*
4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq.*
5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq.*
6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq.*
7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq.*
8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq.*
9: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq.*
10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq.*
11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq.*
12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq.*
13: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq.*
14: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq.*
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19: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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ALIGNMENTS

RESULT 1

US-10-240-425-198/c

; Sequence 198, Application US/10240425

; Publication No. US20040033502A1

; GENERAL INFORMATION:

; APPLICANT: Williams, Amanda

; APPLICANT: Boland, Joseph F.

; APPLICANT: Lord, Reginald V.

; APPLICANT: Alvarez, Chris

; APPLICANT: Wetzel, Jon C.

; APPLICANT: Scherf, Owe

; APPLICANT: Vockley, Joseph G.

; TITLE OF INVENTION: Gene Expression Profiles in Esophageal Tissue

; FILE REFERENCE: 44921-5026

; CURRENT APPLICATION NUMBER: US/10/240,425

; CURRENT FILING DATE: 2002-09-30

; PRIOR APPLICATION NUMBER: PCT/US01/09847

; PRIOR FILING DATE: 2001-03-28

; PRIOR APPLICATION NUMBER: US 60/193,446

; PRIOR FILING DATE: 2000-03-31

; NUMBER OF SEQ ID NOS: 1588

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 198

c	1	226	100.0	461	13	US-10-240-425-198	Sequence 198, App
c	2	226	100.0	518	13	US-10-240-425-173	Sequence 173, App
	3	226	100.0	548	13	US-09-988-292-6	Sequence 6, Appli
	4	226	100.0	548	17	US-10-776-601-6	Sequence 6, Appli
	5	226	100.0	1019	15	US-10-106-698-2121	Sequence 2121, Ap
	6	226	100.0	1212	15	US-10-099-926-1974	Sequence 1974, Ap
	7	226	100.0	1221	17	US-10-764-100-1	Sequence 1, Appli
	8	226	100.0	1337	10	US-09-946-374-414	Sequence 414, App
	9	226	100.0	1337	12	US-10-015-395A-414	Sequence 414, App
	10	226	100.0	1337	13	US-10-147-493-459	Sequence 459, App
	11	226	100.0	1337	13	US-10-145-127-459	Sequence 459, App
	12	226	100.0	1337	13	US-10-160-503-459	Sequence 459, App
	13	226	100.0	1337	13	US-10-143-118-459	Sequence 459, App
	14	226	100.0	1337	13	US-10-143-993-459	Sequence 459, App
	15	226	100.0	1337	13	US-10-158-787-459	Sequence 459, App
	16	226	100.0	1337	13	US-10-140-024-459	Sequence 459, App
	17	226	100.0	1337	13	US-10-140-868-459	Sequence 459, App
	18	226	100.0	1337	13	US-10-006-485A-414	Sequence 414, App
	19	226	100.0	1337	13	US-10-013-907A-414	Sequence 414, App
	20	226	100.0	1337	13	US-10-015-499A-414	Sequence 414, App
	21	226	100.0	1337	13	US-10-152-405-459	Sequence 459, App
	22	226	100.0	1337	13	US-10-127-852A-459	Sequence 459, App
	23	226	100.0	1337	13	US-10-127-900A-459	Sequence 459, App
	24	226	100.0	1337	13	US-10-128-685A-459	Sequence 459, App
	25	226	100.0	1337	13	US-10-226-254A-414	Sequence 414, App
	26	226	100.0	1337	13	US-10-131-820A-459	Sequence 459, App
	27	226	100.0	1337	13	US-10-142-886-459	Sequence 459, App
	28	226	100.0	1337	13	US-10-146-728-459	Sequence 459, App
	29	226	100.0	1337	13	US-10-147-499-459	Sequence 459, App
	30	226	100.0	1337	13	US-10-147-786-459	Sequence 459, App
	31	226	100.0	1337	13	US-10-157-798-459	Sequence 459, App
	32	226	100.0	1337	15	US-10-028-072-459	Sequence 459, App
	33	226	100.0	1337	15	US-10-121-049-459	Sequence 459, App
	34	226	100.0	1337	15	US-10-123-904-459	Sequence 459, App
	35	226	100.0	1337	15	US-10-140-470-459	Sequence 459, App
	36	226	100.0	1337	15	US-10-175-746-459	Sequence 459, App
	37	226	100.0	1337	15	US-10-176-918-459	Sequence 459, App
	38	226	100.0	1337	15	US-10-176-921-459	Sequence 459, App
	39	226	100.0	1337	15	US-10-137-865-459	Sequence 459, App
	40	226	100.0	1337	15	US-10-140-474-459	Sequence 459, App
	41	226	100.0	1337	15	US-10-142-431-459	Sequence 459, App
	42	226	100.0	1337	15	US-10-143-114-459	Sequence 459, App
	43	226	100.0	1337	15	US-10-140-002-459	Sequence 459, App
	44	226	100.0	1337	15	US-10-006-856A-414	Sequence 414, App
	45	226	100.0	1337	15	US-10-142-419-459	Sequence 459, App

US-09-988-292-6
; Sequence 5, Application US/09988292
; Publication No. US20020086314A1
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; Rosen, Craig
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
; Stewart & Olstein
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/09/988,292
; FILING DATE: 19-Nov-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION NUMBER: 09/224,110
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Feiraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-435
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..405
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 1..405
; SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-988-292-6
Alignment Scores:
Pred. No.: 1.67e-27 Length: 548
Score: 226.00 Matches: 40
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 13 Gaps: 0
US-09-052-855A-28 (1-40) x US-09-988-292-6 (1-548)
QY 1 TtpValPheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLys 20
Db 268 TGGGTCTTCATAGAGCCAAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTTCCTTAAG 327
QY 21 AsnSerProAspThrAsnLysTyrGluGlyTyrProGluLeuLeuGluMetGluGlyCys 40
Db 328 AACAGCCGACACAAACAAATACGAGGGATGCCAGAGCTGCTGGAGATGGAGGGCTGC 387
RESULT 4
US-10-776-601-6
; Sequence 6, Application US/10776601

US-09-052-855A-28 (1-40) x US-10-240-425-198 (1-461)
QY 1 TtpValPheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLys 20
Db 437 TGGGTCTTCATAGAGCCAAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTTCCTTAAG 378
QY 21 AsnSerProAspThrAsnLysTyrGluGlyTyrProGluLeuLeuGluMetGluGlyCys 40
Db 377 AACAGCCGACACAAACAAATACGAGGGATGCCAGAGCTGCTGGAGATGGAGGGCTGC 318
RESULT 2
US-10-240-425-173/c
; Sequence 173, Application US/10240425
; Publication No. US20040033502A1
; GENERAL INFORMATION:
; APPLICANT: Williams, Amanda
; APPLICANT: Boland, Joseph F.
; APPLICANT: Lord, Reginald V.
; APPLICANT: Alvarez, Chris
; APPLICANT: Wetzel, Jon C.
; APPLICANT: Scherf, Uwe
; APPLICANT: Vockley, Joseph G.
; TITLE OF INVENTION: Gene Expression Profiles in Esophageal Tissue
; FILE REFERENCE: 44921-5026
; CURRENT APPLICATION NUMBER: US/10/240,425
; CURRENT FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: PCT/US01/09847
; PRIOR FILING DATE: 2001-03-28
; PRIOR APPLICATION NUMBER: US 60/193,446
; PRIOR FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 1588
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 173
; LENGTH: 518
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20040033502A1 AA563933
US-10-240-425-173
Alignment Scores:
Pred. No.: 1.56e-27 Length: 518
Score: 226.00 Matches: 40
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 13 Gaps: 0
US-09-052-855A-28 (1-40) x US-10-240-425-173 (1-518)
QY 1 TtpValPheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLys 20
Db 437 TGGGTCTTCATAGAGCCAAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTTCCTTAAG 378
QY 21 AsnSerProAspThrAsnLysTyrGluGlyTyrProGluLeuLeuGluMetGluGlyCys 40
Db 377 AACAGCCGACACAAACAAATACGAGGGATGCCAGAGCTGCTGGAGATGGAGGGCTGC 318

Publication No. US20040132976A1
GENERAL INFORMATION:
APPLICANT: Yu, Guo-Liang
Rosen, Craig
TITLE OF INVENTION: Colon Specific Genes and Proteins
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
Stewart & Olstein
STREET: 6 Becker Farm Road
CITY: Roseland
STATE: NJ
COUNTRY: USA
ZIP: 07068-1739
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/776,601
FILING DATE: 12-Feb-2004
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/988,292
FILING DATE: 19-Nov-2001
ATTORNEY/AGENT INFORMATION:
NAME: Ferraro, Gregory D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 325800-435
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 548 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..405
FEATURE:
NAME/KEY: mat peptide
LOCATION: 1..405
SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-10-776-601-6

Alignment Scores:
Pred. No.: 1,67e-27 Length: 548
Score: 226.00 Matches: 40
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 17 Gaps: 0

US-09-052-855A-28 (1-40) x US-10-776-601-6 (1-548)

Qy 1 TrpValPheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLys 20
Db 268 TGGGTCTTCATAGGAGCAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTCTTAAAG 327
Qy 21 AsnSerProAspThrAsnLysTyGluGlyTrpProGluLeuLeuGluMetGluGlyCys 40
Db 328 AACAGCCGAGACACAAACAAATACGAGGATGGCCAGAGTGTCTGGAGATGGAGGGGTGC 387

RESULT 5

US-10-106-698-2121
Sequence 2121, Application US/101066598
Publication No. US20030109690A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.

TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
FILE REFERENCE: PA005PI
CURRENT APPLICATION NUMBER: US/10/106,698
CURRENT FILING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: PCT/US00/26524
PRIOR FILING DATE: 2000-09-28
PRIOR APPLICATION NUMBER: US 60/157,137
PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: US 60/163,280
PRIOR FILING DATE: 1999-11-03
NUMBER OF SEQ ID NOS: 8564
SOFTWARE: Patent In Ver. 3.0
SEQ ID NO 2121
LENGTH: 1019
TYPE: DNA
ORGANISM: Homo sapiens
US-10-106-698-2121

Alignment Scores:

Pred. No.: 3,63e-27 Length: 1019
Score: 226.00 Matches: 40
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 15 Gaps: 0

US-09-052-855A-28 (1-40) x US-10-106-698-2121 (1-1019)

Qy 1 TrpValPheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLys 20
Db 534 TGGGTCTTCATAGGAGCAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTCTTAAAG 593
Qy 21 AsnSerProAspThrAsnLysTyGluGlyTrpProGluLeuLeuGluMetGluGlyCys 40
Db 594 AACAGCCGAGACACAAACAAATACGAGGATGGCCAGAGTGTCTGGAGATGGAGGGGTGC 653

RESULT 6

US-10-099-926-1974
Sequence 1974, Application US/10099926
Publication No. US20030166064A1
GENERAL INFORMATION:

APPLICANT: King, Gordon E.
APPLICANT: Megher, Madeleine Joy
APPLICANT: Xu, Jiangchun
APPLICANT: Secrist, Heather
APPLICANT: Jiang, Yugu
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
FILE REFERENCE: 210121.547C2
CURRENT APPLICATION NUMBER: US/10/099,926
CURRENT FILING DATE: 2002-03-17
NUMBER OF SEQ ID NOS: 1982
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1974
LENGTH: 1212
TYPE: DNA
ORGANISM: Homo sapiens
US-10-099-926-1974

Alignment Scores:
Pred. No.: 4,5e-27 Length: 1212
Score: 226.00 Matches: 40
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 15 Gaps: 0

US-09-052-855A-28 (1-40) x US-10-099-926-1974 (1-1212)

Qy 1 TrpValPheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLys 20
Db 741 TGGGTCTTCATAGGAGCAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTCTTAAAG 800

```
QY 21 AsnSerProAspThrAsnLysTyrGluGlyTyrProGluLeuLeuGluMetGluGlyCys 40
Db 801 AACAGCCAGACACAAACAAATACAGGGATGCCAGAGCTGCTGGAGATGGAGGCTGC 860

RESULT 7
US-10-764-100-1
; Sequence 1, Application US/10764100
; Publication No. US20040137575A1
; GENERAL INFORMATION:
; APPLICANT: Conklin, Darrell C.
; APPLICANT: Blumberg, Hal
; APPLICANT: Deisher, Theresa A.
; TITLE OF INVENTION: A HUMAN 2-19 PROTEIN HOMOLOGUE, Z219C
; FILE REFERENCE: 97-64
; CURRENT APPLICATION NUMBER: US/10/764,100
; PRIOR FILING DATE: 2004-01-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/186,342
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/066,157
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-11-19
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 1221
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (222)...(889)
US-10-764-100-1

Alignment Scores:
Pred. No.: 4,55e-27 Length: 1221
Score: 226.00 Matches: 40
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 17 Gaps: 0

US-09-052-855A-28 (1-40) x US-10-764-100-1 (1-1221)

QY 1 TtpValPheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLys 20
Db 753 TGGGCTTCATAGGAGCCAAAGACCTCAGGGTAAAGCCCTTTGAGCAGTCTTTAAAG 812

QY 21 AsnSerProAspThrAsnLysTyrGluGlyTyrProGluLeuLeuGluMetGluGlyCys 40
Db 813 AACAGCCAGACACAAACAAATACAGGGATGCCAGAGCTGCTGGAGATGGAGGCTGC 872

RESULT 8
US-09-946-374-414
; Sequence 414, Application US/09946374
; Publication No. US20030073129A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
```

```
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C1
; CURRENT APPLICATION NUMBER: US/09/946,374
; CURRENT FILING DATE: 2001-09-04
; PRIOR APPLICATION NUMBER: 60/098716
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098723
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098749
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098750
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098803
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098821
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098843
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/099536
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099596
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099598
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099602
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099642
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099741
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099754
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099763
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099792
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099808
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099812
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099815
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099816
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/100385
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100388
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100390
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100584
; PRIOR FILING DATE: 1998-09-16
; PRIOR APPLICATION NUMBER: 60/100627
; PRIOR FILING DATE: 1998-09-16
; PRIOR APPLICATION NUMBER: 60/100661
; PRIOR FILING DATE: 1998-09-16
; PRIOR APPLICATION NUMBER: 60/100662
; PRIOR FILING DATE: 1998-09-16
; PRIOR APPLICATION NUMBER: 60/100664
; PRIOR FILING DATE: 1998-09-16
; PRIOR APPLICATION NUMBER: 60/100683
; PRIOR FILING DATE: 1998-09-17
; PRIOR APPLICATION NUMBER: 60/100684
; PRIOR FILING DATE: 1998-09-17
; PRIOR APPLICATION NUMBER: 60/100710
; PRIOR FILING DATE: 1998-09-17
; PRIOR APPLICATION NUMBER: 60/100711
; PRIOR FILING DATE: 1998-09-17
; PRIOR APPLICATION NUMBER: 60/100848
; PRIOR FILING DATE: 1998-09-18
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; PRIOR APPLICATION NUMBER: 60/100849
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/100919
; PRIOR FILING DATE: 1998-09-17
; PRIOR APPLICATION NUMBER: 60/100930
; PRIOR FILING DATE: 1998-09-17
; PRIOR APPLICATION NUMBER: 60/101014
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/101068
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/101071
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/101279
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: 60/101471
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: 60/101472
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: 60/101474
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: 60/101475
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: 60/101476
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: 60/101477
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: 60/101479
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: 60/101738
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101741
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101743
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101915
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101916
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/102207
; PRIOR FILING DATE: 1998-09-29
; PRIOR APPLICATION NUMBER: 60/102240
; PRIOR FILING DATE: 1998-09-29
; PRIOR APPLICATION NUMBER: 60/102307
; PRIOR FILING DATE: 1998-09-29
; PRIOR APPLICATION NUMBER: 60/102330
; PRIOR FILING DATE: 1998-09-29
; PRIOR APPLICATION NUMBER: 60/102331
; PRIOR FILING DATE: 1998-09-29
; PRIOR APPLICATION NUMBER: 60/102484
; PRIOR FILING DATE: 1998-09-30
; PRIOR APPLICATION NUMBER: 60/102487
; PRIOR FILING DATE: 1998-09-30
; PRIOR APPLICATION NUMBER: 60/102570
; PRIOR FILING DATE: 1998-09-30
; PRIOR APPLICATION NUMBER: 60/102571
; PRIOR FILING DATE: 1998-09-30
; PRIOR APPLICATION NUMBER: 60/102684
; PRIOR FILING DATE: 1998-10-01
; PRIOR APPLICATION NUMBER: 60/102687
; PRIOR FILING DATE: 1998-10-01
; PRIOR APPLICATION NUMBER: 60/102965
; PRIOR FILING DATE: 1998-10-02
; PRIOR APPLICATION NUMBER: 60/103258
; PRIOR FILING DATE: 1998-10-06
; PRIOR APPLICATION NUMBER: 60/103314
; PRIOR FILING DATE: 1998-10-07
; PRIOR APPLICATION NUMBER: 60/103315
; PRIOR FILING DATE: 1998-10-07
; PRIOR APPLICATION NUMBER: 60/103328
; PRIOR FILING DATE: 1998-10-07
; PRIOR APPLICATION NUMBER: 60/103395
; PRIOR FILING DATE: 1998-10-07
; PRIOR APPLICATION NUMBER: 60/103396
; PRIOR FILING DATE: 1998-10-07
; PRIOR APPLICATION NUMBER: 60/103401
; PRIOR FILING DATE: 1998-10-07
; PRIOR APPLICATION NUMBER: 60/103449
; PRIOR FILING DATE: 1998-10-06
; PRIOR APPLICATION NUMBER: 60/103633
; PRIOR FILING DATE: 1998-10-08
; PRIOR APPLICATION NUMBER: 60/103678
; PRIOR FILING DATE: 1998-10-08
; PRIOR APPLICATION NUMBER: 60/103679
; PRIOR FILING DATE: 1998-10-08
; PRIOR APPLICATION NUMBER: 60/103711
; PRIOR FILING DATE: 1998-10-08
; PRIOR APPLICATION NUMBER: 60/104257
; PRIOR FILING DATE: 1998-10-14
; PRIOR APPLICATION NUMBER: 60/104987
; PRIOR FILING DATE: 1998-10-20
; PRIOR APPLICATION NUMBER: 60/105000
; PRIOR FILING DATE: 1998-10-20
; PRIOR APPLICATION NUMBER: 60/105002
; PRIOR FILING DATE: 1998-10-20
; PRIOR APPLICATION NUMBER: 60/105104
; PRIOR FILING DATE: 1998-10-21
; PRIOR APPLICATION NUMBER: 60/105169
; PRIOR FILING DATE: 1998-10-22
; PRIOR APPLICATION NUMBER: 60/105266
; PRIOR FILING DATE: 1998-10-22
; PRIOR APPLICATION NUMBER: 60/105693
; PRIOR FILING DATE: 1998-10-26
; PRIOR APPLICATION NUMBER: 60/105694
; PRIOR FILING DATE: 1998-10-26
; PRIOR APPLICATION NUMBER: 60/105807
; PRIOR FILING DATE: 1998-10-26

Alignment Scores:
Pred. No.: 5, 09e-27 Length: 1337
Score: 226.00 Matches: 40
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-052-855A-28 (1-40) x US-09-946-374-414 (1-1337)

QY 1 TrpValPheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLys 20
Db 846 TGGGTCTTCATAGGAGCCAAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTCTTAAAG 905
QY 21 AsnSerProAspThrAsnLysTyrGluGlyTrpProGluLeuLeuMetGluGlyCys 40
Db 906 AACAGCCAGACACAAACAAATACGAGGATGGCCAGAGCTGCTGGAGATGGAGGGTGC 965

RESULT 9
US-10-015-395A-414
; Sequence 414, Application US/10015395A
; Publication No. US20040073015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan I.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830F1C57
```

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; CURRENT APPLICATION NUMBER: US/10/015,395A
; CURRENT FILING DATE: 2001-12-12
; Prior application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 414
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-015-395A-414

Alignment Scores:
Pred. No.:          5,09e-27      Length:      1337
Score:              226.00        Matches:     40
Percent Similarity: 100.00%       Conservative: 0
Best Local Similarity: 100.00%    Mismatches:  0
Query Match:        100.00%       Indels:      0
DB:                  12           Gaps:        0

US-09-052-855A-28 (1-40) x US-10-015-395A-414 (1-1337)
QY      1  TnpValPheilleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLys 20
      846  TGGGTCTTCATAGGAGCCAAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTTCCTTAAAG 905
      21  AsnSerProAspThrAsnLysTyrGluGlyTnpProGluLeuGluMetGluGlyCys 40
      906  AACAGCCCGACACAAACAAATACGAGGGATGGCCAGAGCTGCTGGAGATGGAGGGCTGC 965

RESULT 11
US-10-145-127-459
; Sequence 459, Application US/10145127
; Publication No. US20040033558A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C252
; CURRENT APPLICATION NUMBER: US/10/145,127
; CURRENT FILING DATE: 2002-05-13
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-145-127-459

Alignment Scores:
Pred. No.:          5,09e-27      Length:      1337
Score:              226.00        Matches:     40
Percent Similarity: 100.00%       Conservative:  0
Best Local Similarity: 100.00%    Mismatches:   0
Query Match:        100.00%       Indels:       0
DB:                  13           Gaps:        0

US-09-052-855A-28 (1-40) x US-10-145-127-459 (1-1337)
QY      1  TnpValPheilleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLys 20
      846  TGGGTCTTCATAGGAGCCAAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTTCCTTAAAG 905
      21  AsnSerProAspThrAsnLysTyrGluGlyTnpProGluLeuGluMetGluGlyCys 40
      906  AACAGCCCGACACAAACAAATACGAGGGATGGCCAGAGCTGCTGGAGATGGAGGGCTGC 965

RESULT 12
US-10-160-503-459
; Sequence 459, Application US/10160503
; Publication No. US20040033559A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
```

```
; CURRENT APPLICATION NUMBER: US/10/015,395A
; CURRENT FILING DATE: 2001-12-12
; Prior application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 414
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-015-395A-414

Alignment Scores:
Pred. No.:          5,09e-27      Length:      1337
Score:              226.00        Matches:     40
Percent Similarity: 100.00%       Conservative: 0
Best Local Similarity: 100.00%    Mismatches:  0
Query Match:        100.00%       Indels:      0
DB:                  12           Gaps:        0

US-09-052-855A-28 (1-40) x US-10-015-395A-414 (1-1337)
QY      1  TnpValPheilleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLys 20
      846  TGGGTCTTCATAGGAGCCAAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTTCCTTAAAG 905
      21  AsnSerProAspThrAsnLysTyrGluGlyTnpProGluLeuGluMetGluGlyCys 40
      906  AACAGCCCGACACAAACAAATACGAGGGATGGCCAGAGCTGCTGGAGATGGAGGGCTGC 965

RESULT 10
US-10-147-493-459
; Sequence 459, Application US/10147493
; Publication No. US20040029217A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C345
; CURRENT APPLICATION NUMBER: US/10/147,493
; CURRENT FILING DATE: 2002-05-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-147-493-459

Alignment Scores:
Pred. No.:          5,09e-27      Length:      1337
Score:              226.00        Matches:     40
Percent Similarity: 100.00%       Conservative:  0
Best Local Similarity: 100.00%    Mismatches:   0
Query Match:        100.00%       Indels:       0
DB:                  13           Gaps:        0

US-09-052-855A-28 (1-40) x US-10-147-493-459 (1-1337)
```

```
/ APPLICANT: Goddard,Audrey
/ APPLICANT: Godowski,Paul J.
/ APPLICANT: Gurney,Austin L.
/ APPLICANT: Sherwood,Steven
/ APPLICANT: Smith,Victoria
/ APPLICANT: Stewart,Timothy A.
/ APPLICANT: Tumas,Daniel
/ APPLICANT: Watanabe,Colin K
/ APPLICANT: Wood,William
/ APPLICANT: Zhang,Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C446
/ CURRENT APPLICATION NUMBER: US/10/160,503
/ CURRENT FILING DATE: 2002-05-30
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 459
/ LENGTH: 1337
/ TYPE: DNA
/ ORGANISM: Homo Sapien
US-10-160-503-459

Alignment Scores:
Pred. No.: 5.09e-27 Length: 1337
Score: 226.00 Matches: 40
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 13 Gaps: 0

US-09-052-855A-28 (1-40) x US-10-160-503-459 (1-1337)

QY 1 TrpValPheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLys 20
DB 846 TGGGTCTTCATAGGAGCCAAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTTCCTTAAAG 905

QY 21 AsnSerProAspThrAsnLysTyrGluGlyTTPProGluLeuGluMetGluGlyCys 40
DB 906 AACAGCCCGACACAAACAATACGAGGGATGCGCAGAGCTGCTGGAGATGGAGGGCTGC 965

RESULT 13
US-10-143-118-459
/ Sequence 459, Application US/10143118
/ Publication No. US20040038335A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: DeForge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C261
/ CURRENT APPLICATION NUMBER: US/10/144,993
/ CURRENT FILING DATE: 2002-05-13
/ Prior Application removed - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 459
/ LENGTH: 1337
/ TYPE: DNA
/ ORGANISM: Homo Sapien
US-10-144-993-459

Alignment Scores:
Pred. No.: 5.09e-27 Length: 1337
Score: 226.00 Matches: 40
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 13 Gaps: 0

US-09-052-855A-28 (1-40) x US-10-144-993-459 (1-1337)

QY 1 TrpValPheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLys 20
DB 846 TGGGTCTTCATAGGAGCCAAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTTCCTTAAAG 905

QY 21 AsnSerProAspThrAsnLysTyrGluGlyTTPProGluLeuGluMetGluGlyCys 40
DB 906 AACAGCCCGACACAAACAATACGAGGGATGCGCAGAGCTGCTGGAGATGGAGGGCTGC 965

RESULT 14
US-10-144-993-459
/ Sequence 459, Application US/10144993
/ Publication No. US20040038336A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: DeForge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C261
/ CURRENT APPLICATION NUMBER: US/10/144,993
/ CURRENT FILING DATE: 2002-05-13
/ Prior Application removed - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 459
/ LENGTH: 1337
/ TYPE: DNA
/ ORGANISM: Homo Sapien
US-10-144-993-459

Alignment Scores:
Pred. No.: 5.09e-27 Length: 1337
Score: 226.00 Matches: 40
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 13 Gaps: 0

US-09-052-855A-28 (1-40) x US-10-144-993-459 (1-1337)

QY 1 TrpValPheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLys 20
DB 846 TGGGTCTTCATAGGAGCCAAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTTCCTTAAAG 905

QY 21 AsnSerProAspThrAsnLysTyrGluGlyTTPProGluLeuGluMetGluGlyCys 40
DB 906 AACAGCCCGACACAAACAATACGAGGGATGCGCAGAGCTGCTGGAGATGGAGGGCTGC 965
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US-10-143-118-459

Alignment Scores:
Pred. No.: 5.09e-27 Length: 1337
Score: 226.00 Matches: 40
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 13 Gaps: 0

US-09-052-855A-28 (1-40) x US-10-143-118-459 (1-1337)

QY 1 TrpValPheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLys 20
DB 846 TGGGTCTTCATAGGAGCCAAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTTCCTTAAAG 905

QY 21 AsnSerProAspThrAsnLysTyrGluGlyTTPProGluLeuGluMetGluGlyCys 40
DB 906 AACAGCCCGACACAAACAATACGAGGGATGCGCAGAGCTGCTGGAGATGGAGGGCTGC 965

RESULT 14
US-10-144-993-459
/ Sequence 459, Application US/10144993
/ Publication No. US20040038336A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: DeForge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C261
/ CURRENT APPLICATION NUMBER: US/10/144,993
/ CURRENT FILING DATE: 2002-05-13
/ Prior Application removed - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 459
/ LENGTH: 1337
/ TYPE: DNA
/ ORGANISM: Homo Sapien
US-10-144-993-459

Alignment Scores:
Pred. No.: 5.09e-27 Length: 1337
Score: 226.00 Matches: 40
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 13 Gaps: 0

US-09-052-855A-28 (1-40) x US-10-144-993-459 (1-1337)

QY 1 TrpValPheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluGlnPheLeuLys 20
DB 846 TGGGTCTTCATAGGAGCCAAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTTCCTTAAAG 905

QY 21 AsnSerProAspThrAsnLysTyrGluGlyTTPProGluLeuGluMetGluGlyCys 40
DB 906 AACAGCCCGACACAAACAATACGAGGGATGCGCAGAGCTGCTGGAGATGGAGGGCTGC 965
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Search completed: August 28, 2004, 13:44:36
Job time : 175.475 secs

Mon Aug 30 09:23:32 2004

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RESULT 15
US-10-158-787-459
; Sequence 459, Application US/10158787
; Publication NO. US20040039164A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C449
; CURRENT APPLICATION NUMBER: US/10/158,787
; CURRENT FILING DATE: 2003-04-03
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 459
; LENGTH: 1337
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-158-787-459

Alignment Scores:
Pred. No.:      5,09e-27      Length:      1337
Score:          226.00      Matches:      40
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match:      100.00%      Indels:      0
DB:              13          Gaps:      0

US-09-052-855A-28 (1-40) x US-10-158-787-459 (1-1337)
QY      1  TrpValPheIleGlyAlaLysAspLeuArgGlyLysSerProPheGluInPheLeuLys 20
Db      846  TGGGTCTTCATAGAGCAAAAGACCTCAGGGGTAAAGCCCTTTGAGCAGTTCCTTAAG 905
QY      21  AsnSerProAspThrAsnLysTyrGluGlyTrpProGluLeuLeuGluMetGluGlyCys 40
Db      906  AACAGCCCCACACAAACAAATACGAGGATGCGCAGAGCTGCTGGAGATGGAGGGCTGC 965
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